Release Notes

eMRD 5692

Date: 23-Jan-14

Software Application

Version: 2.0.46

This version encompassess all Issues Raised for all eMRD Versions 2.0.4x up to and including V2.0.46.

Released: 07-Oct-08

Issue No: 184 ALCs not handled properly sometimes on import of text file

The code has been modified to use the ZL table records from the import file, if there are any, to help determine the ALC relationships and to create ZL entries if necessary where they don't exist.

This fix included in v2.0.43.

Issue No: 192 Task Summary Report - Field Title may need renaming

The FNAME field heading was changed to "SYSTEM".

Issue No: 193 System Expand/Collapse Branch - incorrect Menu Labelling

The code was modified to maintain the expanded/collapsed status of the branches and to check before displaying the menus.

Issue No: 195 Changing EIACs to a database without an EIAC causes error

A required step when populating a new database for the first time is renaming several tables whose formats differ between the 5102.003 standard and the 5692 standard. This error occurred when referring to a table by its new name immediately after renaming. The Jet Engine caches the names of the tables in a database after opening the database. To overcome this error, code was added to refresh the cache after renaming the tables.

Issue No: 196 Error selecting popup menu when loading tree

The error was caused by the program responding to input events while still completing code for another event (in this case loading the physical LCNs tree).
To prevent the program responding to events when it is busy, the Main form is disabled until the physical LCN tree is fully loaded.

Issue No: 197 Unable to add additional partnos to a Modified Classical LCN

Revisited the EditPLCN form to allow for Modified Classical LCNs. Rearranged the control layout and coded the necessary functionality to recognize whether an LCN is Modified Classical or not and to enable selection of the desired structure method.

Issue No: 198 Part Number Library Editing

Functionality added to allow changing a PartNo/Cage combination globally throughout the database.

Issue No: 199 Deleting SNO UOC Causes error

Amended incorrect field names in an SQL statement when deleting related records from the WJ table.

Issue No: 200 SNO UOC defintion does not seem to be linked/subordinate to UOC

Corrected the code representing the relationship between SNo UOC and UOC.

Issue No: 207 Problem with ALC ReqFit business rules

Code has been modified to ensure that during editing of a PLCN or addition of a PLCN ALC that the Required Fit codes of all the PLCN's ALCs are checked and their relationships with one another are correct.

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Issue No: 208 Work Area picture does not display from PLCN right-click

The reference to the drawing for a Work Area was moved to table RA for this version of the MRD Tool. The code when right clicking a PLCN was still looking at the old old (pre 5692 MRD Tool) table.
During the fixing of this bug, it was noticed that the selections available for assigning a Work Area to a PLCN was not UOC specific. This was also fixed under this bug.

Issue No: 209 ACRN ATF not displaying on Main form

The display of the ACRN ATF was removed from the Main form display intentionally during development of this version. Unfortunately the ATF heading was left behind.
This heading has now been removed also.

Issue No: 211 No method of entering LCN Structure DED

A new form was created to allow input of DED 202 and also input of the character types allowed at each indenture level. At the moment, only all alphas or all numerics are allowed at any given indenture level.
Code for LCN renumbering and genration of a new LCN has been modified to make use of these new inputs.
Another Issue (213) has been raised to enhance the Tool to support a combination of alpha and numerics at any indenture level.

Issue No: 212 Cannot renumber only a branch of the Physical Structure

This could be construed as an enhancement, however it is probably more common to have to renumber branches than it is to renumber the entire structure, so it has been treated as a bug.
The code needed modifying anyway to make use of the LCN Structure inputs which were dealt with in Issue No 211, so the necessary coding has been done. The operator can now select a PLCN as a starting point for renumbering and only that PLCN and any of its descendants will be renumbered. Some checks were added to ensure that the LCN Structure definitions will allow for the number of child LCNs at any indenture level with in the branch being renumbered.

Issue No: 213 Indenture level type of Both (ie Alpha and Numeric) required

Code modified to allow definition of an indenture level containing both alpha and numeric characters. Code also modified to automatically increment the indenture level portion of an LCN where the definition is for both alpha and numeric characters.

Issue No: 214 AOR LCN selection incorrect

Code amended to only allow the user to pick from System/EndItem LCNs when creating AOR entries for unscheduled tasks

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Issue No: 236 Cannot add SMR codes

A new form was created that allows editing of Qty/Assy, SM&R, Essentiality Code and Item Category Code.
This form is accessible from the EditPLCN form.

Issue No: 237 Error when adding S&TE to a task

Corrected a problem in the logic to allow for blank Quantity and blank Unit of Measure.

Issue No: 238 Cannot assign an ATF to a SerialNo UOC

Modified the SQL statements involved in extractng UOC and SerialNo UOC data.

Issue No: 240 Cannot enter a blank subtask certification requirement

Added blank as a valid subtask certification requirement value.

Issue No: 241 Error with LCN selection parameters for ADO reports

Enhanced the ADO Report Parameters screen to comply with the spec regarding Physical and Function LCN range selections ie, a Physical LCN range can be selected from all Functional LCNs, or all Physical LCNs linked to a Function LCN range.

Issue No: 242 PSS formatting errors

The errors were essentially due to a shortcoming of Active Reports in which certain events could not be reliably trapped. A complete redesign and rewrite of the 'Normal' and 'Extended' PSS reports was undertaken to enable the extraction and formatting process to be controlled at code level (rather than by the built-in report generator capabilities of Active Reports).

Issue No: 243 Cannot add new WACs to the library

Add/Edit WAC form amended to enable the Add button. Also under the 5692 spec, WACs are linked to UOCs, so tighter control was implemented in the relationships that form allowed.

Issue No: 244 TMP LCN Only formatting errors

Text boxes for Nomenclature and FLCN extended to the correct size. Also blank lines assigned between FLCN headers and between PLCN groups.

Issue No: 245 SNo UOCs not printing correctly in TMP reports

The SQL for extracting SNo UOC details was amended to correctly report the SNo UOC details.

Issue No: 246 No ability to enter RCRF details

The EditPLCN form was modified to display RCRF and buttons added to allow adding/editing and deleting of RCRF. A new form was created for the adding/editing to be done.

Issue No: 247 The Event library is not consistent with AAP7001.038 (AM1)

The Event library supplied with the LSABlank database requires updating IAW AAP7001.038 (AM1). The program will require some modification to support the new Event grouping

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Issue No: 248 LCN Only TMP Pt3 incorrect FLCNs printed

Altered the method by which the TMP Report code determines a first level system FLCN from a second level system FLCN. The error was only occurring on the C130J because it has a 222 FLCN structure whereas all the other aircraft had a 122 FLCN structure.

Issue No: 249 Cannot enter AOR LCN for a slave task

Modified the Edit Task form to allow TaskID, Task Frequency, AOR LCN details and Failure Mode links to be task unique. All other task details are still derived from the corresponding Master.

Issue No: 250 Incorrect Tech Manual Number printing on some PSS reports

This problem was happening only on PSS reports which were one page long. Modified the reports so that the Tech Manual Number was written to the page before the End Of File was reached.

This is the only change leading to v2.0.36.

Issue No: 251 TMP Int-Event notes not printing for slave tasks

Fixed an incorrect SQL string contained in the extraction of Int-Event notes for slave tasks.

Issue No: 252 Incorrect default next LCN when adding LCN child

Amended the program to pick up the correct number of characters based on the indenture level of the child being added.

Issue No: 253 Notes misaligned and incorrectly formatted in TMP Part3

Corrected the alignment of system notes and ensured that CRLFs are not lost when extracting TMP notes.

This fix led to release of v2.0.38.

Issue No: 254 Incorrectly formatted header line on TMP Part3 LCN Only

Corrected the top line of the header on the TMP Part3 LCN Only report so that "Part 3" is against the right margin.

Part of the fixes in v2.0.39.

Issue No: 255 Incorrect message when renumbering LCNs

Corrected the code so that the renumbering check is aware of whether the characters are numeric, alpha or both and therefore how many LCNs can be created at each indenture level.

Part of the fixes in v2.0.39.

Issue No: 256 Duplicate error when editing Cage details

Fixed logic error in Edit Cage form so that when editing Cage details, no check is made as to whether the Cage exists.

Issue No: 257 Problem when creating new TMCs

The validation check which enforces that the first 3 characters of AI and EIAC must be the same has been deleted.

Part of fixes in v2.0.40.

Issue No: 258 Cannot view Facility Cat. Code on Task edit form

Modified the task edit form to allow visibility of the facility category code stored against the task and also the facility category code against the facility in the library.

Included in v2.0.41.

Issue No: 260 new FLCN child associated with wrong parent

The SQL statement for creating the Parent/Child record for the new FLCN was modified to create the correct relationship.

Included in v2.0.41.

Issue No: 261 Save button not enable on Edit FLCN form

Code corrected so that Save button is enabled when editing Item Criticality and MTBF-B on the Edit FLCN form.

Included in v2.0.41.

Issue No: 262 Extended Nomenclature not available on Edit FLCN form

Added Extended Nomenclature field to the Edit FLCN form and added code to support it.

This fix included in v2.0.41

Issue No: 263 Structure moving not working when moved as Peer Before

Corrected the LCN move code for the Main form so that "move to peer before" works properly.

This fix included in v2.0.41

Issue No: 265 Error 91 when editing TMC from Edit PLCN form

Modified the TMC Library form such that Edit, Delete and OK are disabled after Adding, Editing or Deleting a TMC.
This way a TMC must always be selected before OK is enabled.
Also add an Edit TMC Details button to the Edit PLCN form so that the user is not tempted to use the Add TMC Link button to edit a TMC.

This fix included in v2.0.42

Issue No: 266 TMC assigned to a new PLCN linked to new PLCN\'s parent

Modified the Edit PLCN form to ensure that the TMC is always linked to the correct PLCN.

This fix included in v2.0.42

Issue No: 268 Cage truncated in TMP Pt4 S1 TMCs Only

The Cage Code field was widened in the report to prevent truncation.
This has also stopped the double line spacing which was caused by the Cage code field trying to grow in height.

This fix included in v2.0.43.

Issue No: 272 No ability to add Functional ALCs

A new menu option was added to the Main form to Add Functional ALCs and the Edit FLCN form was modified accordingly.

Issue No: 288 LH Sect/Chap on non sign-up cards not populated

Corrected the code in the Normal and Extended format reports to ensure field population and text alignment is correct.

This fix include in v2.0.43.

Issue No: 289 Cannot export PDF of A/F B/F or T/A servicing reports

The problem was that the servicing ID forms part of the default export filename and the forward slash character is illegal in a filename.
Modified the code to strip the forward slash out of any filename to be used for report exports.

Included in v2.0.44.

Issue No: 291 Cannot load PLCN treeview with identical FLCNs and PLCNs

Modified the code so that the node keys of the Physical LCN tree includes the LCN Type thus allowing the tree to hold PLCNs that are identical to the selected FLCN.

This fix included in v2.0.46.

Issue No: 292 Cage code delete not actually deleting

Corrected the SQL code which deletes the records from tables containing Cage code.

This fix incorporated in v2.0.45.

Issue No: 293 WAC not displaying on main form

Corrected the code to display WAC in the WAC field and Extended Nomenclature in the Extended Nomenclature field.

This fix incorporated in v2.0.45.

Issue No: 294 Cannot assign Task cross references

Added a tab to the Task edit form to allow entry of Task Cross Reference links.

This fix incorporated in v2.0.45.

Issue No: 296 View linked FLCNs on main form

Modified code so that either FLCNs or TMCs can be shown on the main form. The choice is saved as a registry setting per user.

This mod included in v2.0.46.

Issue No: 297 No support for Subtask referencing

A major rewrite of the Task editing form was carried out to provide subtask referencing capability.

Issue No: 300 Item Ident template should be database specific

Program modified to create a subfolder called "Templates" in each database folder when a new database is created and to copy the standard "ItemIdent.txt" template to the Templates folder .
When using the Template button in the Item Identification form, a FileOpen dialogue box pops up to enable the user to select a template from the Templates folder.

This is incorporated in v2.0.46.

Issue No: 301 Small signup area in PSS Workcard reports

The code was modified in the Normal and Extended signup workcard reports to insert a blank line before printing a single line of subtask narrative at the top of a column to allow more room for a signature.

This fix included in v2.0.46.

Issue No: 307 Problem with Contingency Codes in PSS reports

Corrected the placement of the Contingency Code field in The Normal and Extended Workcard reports and amended the EE508 version to include the Contingency Code field.

This fix included in v2.0.46.

Issue No: 311 Need to be able to repair an unopenable database

Modified the code so that if an 'Invalid database' error occurs during opening, the user has the option of attempting a repair on the unopened database.

This fix included in v2.0.46.

Issue No: 314 RCM Analysis task disposition allocation needs attention

The table of RCM questions was enhanced to include a field which specifies the task disposition (if any) for each question. The code was modified to make use of the task disposition field rather than relying on complex conditions based on the RCM method used and the question numbers.

Issue No: 327 LHD Task Code Req

The necessary characters are available and selectable by clicking on the Taskcode build button when creating or editing a task.
The user must remember to create the task as an LSA task otherwise the Taskcode is built using ADO Task taskcode rules.

User Manual

Version: 2.0.0 This help file initailly released with eMRD V2.0.46.

Released: 08-Oct-08

Issue No: 348 Help file release

Software Application

Version: 2.0.47

Released: 09-Oct-08

Issue No: 344 Errors when adding a FLCN child

When a new system child is added, it is successfully written to the LSAR database.
It is also added to the system tree for display purposes, but the tree node key is not being properly constructed.
This key consists of the LCN, ALC and a couple more characters.
When the new system is selected for any reason, eg to edit it or to add a child to it, the LCN/ALC cannot be properly determined.
If the database is reopened, the system tree is repopulated correctly.

The code was fixed so that when a new system is added to the system tree, its node key is properly constructed so that its LCN/ALC can be determined for future actions.

Software Application

Version: 2.0.48 Post big release of 2.0.47 to address low priority bugs.

Released: 10-Dec-08

Issue No: 295 Allow linking a task to a servicing when editing the task

Added a tab to the Task Edit form and modified the code to allow the task being edited to be added to or removed from a servicing. Note that the task/servicing link can only be added to the WO table (ie it is not packaged). Similarly, the task servicing link can only be removed for non-packaged tasks (ie the link is only removed from the WO table).

Issue No: 308 Auto create ACRNs for CIs only

Code modified to give the option to produce ACRNs for all LCNs or CIs only and option added to create ACRNs from Additional Reference Numbers (HB table).
The form already had a Cancel option.

Issue No: 335 Adding a Servicing Group generates wrong sequence number

Modified the code to have the sequence textbox always enabled and to attempt to determine the next sequence number according to the characters in the trade textbox.

Issue No: 346 Annual Operating Rate not populated for some task codes

Added a new check under Tools|Anomalies to check for the LCNs and Tasks which are missing AOR details.
The list can then be printed and the tasks amended.
Did not incorporate as a Fix Database option because there may be several AORLCNs and AOR MBs to choose from and any given one might not apply to all tasks involved.

Issue No: 347 Some CK records fail to load to OmegaPS due to TEXTTOCK Justification

Code now right justifies and fills TEXTFRCK and TEXTTOCK. NOTE: Before this fix eMRD fully complied with the DED format requirements however, imports to OmegaPS were failing on these fields. This fix was implemented to make it compatible with OmegaPS while still complying with DEF(AUST)5692.

Issue No: 351 Facility Code DED 115 accepts alpha characters

Validation code modified to only accept numeric Facility Code.

Issue No: 359 Error when changing EIAC

Modified tblTableStructures in LSABlank.LE1 to include tblFunctions, tblFunctionFailures, tblFunctionFailureCauses, tblParentChild, tblConfig and tblUsers as tables to be modified when Changing EIAC (or doing any Global Change). Modified the code to apply updates using LSABlank.Le1 as the control.

Issue No: 361 Conflict when Renumbering LCNs and Resequencing LCNs

Modified code such that for indenture levels defined as having both alpha and numeric characters, LCNs will begin with 00 progressing to 08, 09, 0A, 0B,...,0Y, 0Z, 10, 11,...19, 1A, etc. All LCNs will then be in true Ascii order and resequencing and renumbering will no longer clash with each other.

Issue No: 365 Problem when moving items or assemblies within structure

Code was modified to correctly calculate the permissable sequence number increment. This increment is used firstly to determine if an item or assembly can be inserted (increment must be >= 1) and secondly to actually assign the new sequence number(s).

Issue No: 375 Tools|Anomalies reports incorrect TMC error count

Corrected the code to display the number of errors rather than the number of TMCs.

Issue No: 377 Extended Nomenclature accepts and saves carriage returns

Code modified to reject the Enter Key character when entering data into the Extended Nomenclature field.
Code also modified to remove any existing CRLFs from the Extended Nomenclature field in the WY table when a database is opened.

Issue No: 382 Errors with relationships in Initiating Conditions

Modified the code to ensure that an Initiating Condition cannot be created with a blank Initiating Type.
Also modified the code to prevent an interval without an event and vice-versa.
CAMM2 has advised that CAMM2 will ignore the Initiating Type of NEW but still load the Interval and Event.

Issue No: 383 Problem when adding then deleting a trade in task edit.

This fault was incorrectly reported. The user with the problem was running v2.0.46.
Could not reproduce fault with v2.0.47.

Issue No: 384 Potential problem when 2 or more users are changing structure

The code was modified to store a flag string in the database whenever a user is perform a function that could affect another user doing a similar function.
The functions which set and test this flag are loading the Physical LCNs tree, creating a new Physical LCN (during the validation and saving), moving part of the Physical structure, deleting a Physical LCN, doing the Transfer step of an LSAR import.
In addition to the locks described above, because loaded Physical trees are not dynamic (ie, the PLCNs do not change to reflect another users changes), Renumbering of LCNs can now only be done when there is a single user in the database. This will force other users to have to reload their image of the database.

Issue No: 386 Issue with Task Freqs and AORs

The code has been modified so that when creating a Reference Task (ie a Slave Task), the Task Edit form is opened after selecting the Master to reference and the Task Edit form cannot be closed until a Task Freq and AORLCN/MB (if required) are assigned. If the Task Edit form is closed without assigning Task Freq and AORLCN/MB, the Reference Task is not saved.
Similarly, there may be tasks existing without a Task Freq. These can be backfilled using the FixDatabase option under Tools (the Task Freq will be set to 0).
Unscheduled tasks with missing AORLCN/MB can be found using the Anomalies option under Tools. The list can be printed and tasks edited as necessary.

Issue No: 397 Cannot export Servicing Anomalies report

Modified the code to provide a default report title for Servicing Anomalies which in turn causes the Save File dialogue to pop up and ultimately allows the report export to proceed.

Issue No: 399 Change FLCN/ALC function does not seem to cascade through tables

The code was modified to correctly define the key of the System Tree node displaying the FLCN after the FLCN was changed thus allowing any linked details to be displayed without the need to reload the database.

Issue No: 401 When editing tasks, Task Cross Refs are not being displayed

This only occurs when the cross referenced task has been deleted from the CA table.
Modified the code to display the link even though the task is not in the CA table.
This situation actually represents an orphan RL record.

Issue No: 404 When editing an SM&R code, only 5 characters can be entered

The form design was modified to allow for a maximum of 6 characters in the SM&R code field.

Issue No: 405 Cannot see Failure Mode Links using the tab when editing the task

The code was modified in the Edit Task form such that a Failure Mode will load regardless of whether it has any corresponding BG table records.
If there are any Failure Description records in the BG table, the code picks the lowest text sequence number (which is not necessarily 00001).

Issue No: 406 Application crash when following Failure Mode task link

The code was modified to correctly identify the FLCN and PLCN tree keys to allow the Failure Mode LCN to be displayed.

Issue No: 407 Application crash when attempting to copy failure modes

This error occurs when there is a Failure Mode with no Failure Mode Details.
The code was modified to enable all the Failure Modes to be listed regardless of whether there are any corresponding BG table records.

Software Application

Version: 2.0.49 For urgent bugs that may arise prior to release of version 2.1.0

Released: 15-Dec-08

Issue No: 418 The Unlinked Tasks report does not work at all

Code corrected to build a temporary table of LCNs to be included in the report in turn allowing the report to produce an output.

Issue No: 419 Errors when adding child LCNs

This was tracked down to being a problem with the program determining the sequence number for the LCN being added.
The new default LCN was being determined correctly.
The code was amended to correctly determine the new LCNs sequence number irrespective of the existing precedent structure.

Issue No: 420 Deleting a task leaves records in WT table

Corrected the code which controls deletion of records from the WT table to ensure that the corrected LCN and Task references are made resulting in the correct task being deleted.

Software Application

Version: 2.1.5 SQL Server implementation

Released: 18-Mar-09

Issue No: 362 Task Summary report not displaying SvcID or GrpID

The code for SQL statement for selecting the Task servicings and groups in the task servicing subreport was corrected.
Also the text boxes on the report were aligned with their headings.

Issue No: 414 Convert eMRD to be compatible with SQL Server 2005

The program has been converted to run using either an MSAccess or a SQL Server 2005 underlying LSAR database.
Functionality has also been added to convert an MSAccess database to SQL Server 2005 (upsizing) or a SQL Server 2005 database to MSAccess (downsizing).

Issue No: 423 Require a report to show orphan records in tables

A report has been created which will list all orphan records in all tables together with the key values for those records so that the orphan records can be located and deleted.

Issue No: 424 Edit WAC form sometimes generates error when saving

The code was modified to adjust the width of the Description text box at form loading time to allow a maximum of 65 characters.

Issue No: 425 Configuration Check giving incorrect results

The code was modified to ensure that Part Numbers linked to Modified Classical LCNs are not included as assembly parents for the purposes of the Configuration Check.

Issue No: 426 Subtask Mean Man Minutes generates error on save task

The code was modified to provide value validation for the Mean Man Minutes field and to correctly format the value for saving to the database.

Issue No: 427 Cannot clear WAC assigned to an LCN

The EditPLCN screen code was modified to include a blank WAC in the picklist of WACs that can be assigned.

Issue No: 432 SQL Test - Login error when opening SQL Server database

Database Managers need to ensure that, if Windows Authentication is to be used, users or the MRD group they are in is added to the users on the server on which SQL Server is installed. The users or group needs to have SYSADMIN rights within the server.

Issue No: 433 SQL TEST - Creating Physical link to system

Corrected the code so that when there are no physical LCNs, clicking on the No Physicals Linked to System node, does not generate an error.

Issue No: 435 SQL TEST - Adding Failure Data in physical tree

Corrected SQL statement which was not working properly with SQL Server.

Issue No: 436 SQL TEST -

The Configuration Check form has been redesigned with respect to the Close button functionality.

Issue No: 439 SQL TEST - Physical Tree adding task details incurs Run-Time error

Corrected SQL statement which was casuing this error when working with a SQL Server database.

Issue No: 440 SQL TEST - Physical tree Copy or Reference Another Task

Corrected SQL statement which was causing this error when working with a SQL Server database.

Issue No: 441 SQL TEST - Adding Fail Mode creates Run-Time error

Corrected SQL statement which induced this error when using a SQL Server database.

Issue No: 442 SQL TEST - Add Failure Mode window lock up

Corrected SQL statement which causec this error when working with a SQL Server database.

Issue No: 443 SQL TEST - Run-Time error selecting System/Item Identification

The Item Identification form has been redesigned and the New button is now Copy From.
Any input causes the Save to be enabled.
All fields on the Failure Rates tab are now visible and accessible.

Issue No: 444 SQL TEST- Run-Time error from System/Item Identification

The Item Identification form has been redesigned and the New button is now Copy From.
Any input causes the Save to be enabled.
All fields on the Failure Rates tab are now visible and accessible.
Also see Issue 443

Issue No: 445 SQL TEST - Run Time error Fail Mode Details

Fixed bug in Failure Mode Ratios form whereby a Failure Mode with a blank Ratio caused a crash.
Blank FM Ratios now treated as zero.

Issue No: 446 SQL TEST - Error box has incorrect commentry!

Corrected SQL statement which caused this error when working with an SQL Server database.

Issue No: 448 Servicing/Task error on Task Summary report

Query modified in Task Summary report to correctly relate tasks on LCNs with servicings.

Issue No: 449 Problem saving data from the Item Identification form

Item Identification form redesigned. See Issue 444.

Issue No: 452 SQL TEST - RunTime error when adding PN to ACRN set.

See Issue 456.

Issue No: 453 SQL TEST - Part Number Library deletion process!

The deletion of Part Numbers / Cage codes has been modified.
The check which determines whether part numbers are in use now displays and optionally prints where the part number / cage is used.
The Part Number / Cage can now only be deleted once all the links have been deleted.

Issue No: 454 SQL TEST - Cage Library deletion locks up EMRD.

The behaviour of the Delete Cage function has changed.
The list of PartNo/Cages to which the Cage is assigned can now be viewed and printed.
All PartNo/Cages to which the Cage is linked must first be deleted before the Cage can be deleted.

Issue No: 456 SQL TEST - Run-time error 35601 P/N Library try to add new line

This error occurred when performing an invalid sequence of steps.
When creating a new ACRN Set, the user must use an ACRN derived from the RefNo to which the LCN is linked.
If the user tried to create a new Refno at this stage, the error was raised.
Modified the code so that the user cannot create a RefNo and add it to the PartNo library when an ACRN Set is being created.

Issue No: 464 SQL TEST - Issue XXX - Add FM

This is actually the error in Issue 443. Its just that the Item Ident form is launched when creating a Failure Mode if the Minimum Equipment List field is not populated.
The fix was reported against Issue 443.

Issue No: 465 LCN renumber advises duplicate LCNs will be created

The Renumbering LCNs function has been enhanced to display the LCNs which will be duplicated.
Duplicated LCNs should only occur when renumbering a branch (as opposed to renumbering the whole structure) because the new numbers which will be generated might be the same as a number elsewhere in the structure in an area that is not being renumbered.

Issue No: 466 Populate LCN Nomenclature when adding a part

Code modified to assign the Item Name to the Nomenclature field when adding a Refernce Number if its not a Modified Classical LCN and if the Nomenclature field is blank.

Issue No: 469 SQL TEST - Failure Cause unable to save

Corrected the SQL statement which was causing the error when working with SQL Server databases.

Issue No: 470 SQL TEST - Moving LCNs.

Corrected SQL satements which use the Asc function to work with both MSAccess databases and SQL Server databases.

Issue No: 473 Link the Root Cause form to the Failure Mode Details form

When entering a Failure Mode Cause, the user is now forced through the Root Cause process in an effort to have the Failures Root Cause entered rather than a result of the Root Cause.

Issue No: 474 ACCEES TEST - Add PLCN raises error

This error was due to a change needing to be made to one of the tables in the test database used during testing.
The table structure was modified to enhance the effectiveness of the Assemblies table created during the Configuration Check.
The error was not actually the program, but rather what was an obsolete table structure.

User Manual

Version: 2.1.0 This help file update for the SQL Server version

Released: 18-Mar-09

Issue No: 414 Convert eMRD to be compatible with SQL Server 2005

The program has been converted to run using either an MSAccess or a SQL Server 2005 underlying LSAR database. Functionality has also been added to convert an MSAccess database to SQL Server 2005 (upsizing) or a SQL Server 2005 database to MSAccess (downsizing).

Software Application

Version: 2.1.6 Patch release

Released: 19-May-09

Issue No: 520 When EXPORTING an error is raised: Format is not a recognised built-in function

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Issue No: 523 Bulk LCN Delete deletes CA records where the LCN is either a MASTER Task or AOR LCN

Software Application

Version: 2.1.15 Patch release

Released: 19-May-09

Issue No: 267 Tab order wrong on some forms

This issue can be assigned a low priority as it is an annoyance, not a problem.

Issue No: 348 Help file release

Issue raised to allow release of eMRD Help File V2.0.0

Issue No: 428 Incorrect layout of LCN Only TMP Part3 Report

The design of the LCN Only TMP Part3 Report modified to correctly space the data elements on LCN/Nomenclature line.

Issue No: 475 SQL TEST - Phrase Library Edits_Adds

Modified code such that when adding or editing a phrase, it is saved as upper case.
The problem with editing could not be duplicated.

Issue No: 476 SQL TEST XXX - Edit FLCN RAM Indicator

Corrected the code so that the FLCN RAMIND is validated before saving.
Also the RAMIND field was allowing more than one character. This has been restricted to only one.

Issue No: 524 Duplicate Sequence Numbers sometimes generated when moving

Corrected the function which determines how many items make up the assembly being moved.
This enables the correct Sequence Number increment to be calculated and hence non duplicate and non overlapping Sequence Numbers to be generated.

Issue No: 526 Lettering upper/lower case not consistant

This is already the case. The text is converted to upper case when the cursor is moved out of the Subtask Description field.

Issue No: 527 Problem when entering PubNo when specifying a PSS Report

Corrected the code for accepting the PSS Pub No to prevent jumbling of characters as they are typed.

Issue No: 528 Problem with Extended Nomenclature in PSS Reports

Amended the design of the Extended Format PSS reports to allow for Extended Nomenclatures of more than 42 characters, wrapping to as many lines as required.

Issue No: 529 Violation of Primary Key error when in SQL Server mode

Amended error traps where duplicate record errors were being trapped to also trap primary key violations and treat them as duplicates.

Issue No: 532 Claimed Activities and Initiating Conditions wrong for slave tasks

Modified code to have Claimed Activities and Initiating Conditions linked to each task, whether the task is a Master or a Slave ie a Slave task will show its own links, not its Masters links.

Issue No: 535 Need to be able to select multiple RefNos for Mod Classical LCNs

Code has been modified to allow multiple items to be selected from the Parts Library when creating/editing a Modified Classical LCN.
The same has been done for selecting Provisioning items when creating/editing a task.

Issue No: 536 Change edit checks when creating PSS and LSA tasks

The code has been modified to allow no Facility or Interval/Event for PSS and LSA tasks.
Only a warning message is provided if they are blank.

Issue No: 537 Need to remove slash from Flight Servicings for task events

The code and the LSABlank files were amended to incorporate this change.

Issue No: 538 Need to add support for the MULT Initiating Condition Type

The code has been modified to support the MULT Initiating Condition type.

Issue No: 539 Need to add the ability to find by Nomenclature

The Find form has been enhanced to allow searching by Nomenclature.

Issue No: 541 Issue with determining Instances when connecting to SQL Servers

The code has been modified to use a slightly different method to browse for SQL Server servers and Instances and a field has been added to allow the user to enter an Instance Name after a server name has been selected.

Issue No: 542 Task Summary report does not include LSA tasks

The Task Summary report has been modified to include LSA Tasks.
A form has been added to allow the selection of TMP/PSS/LSA Corrective/LSA Preventive tasks.

Issue No: 543 Opening Event Library causes error

This only occurs when working with an MSAccess database.
The code has been amended to prevent this error.

Issue No: 546 Task Support Equipment does not select from table EA

Added an option to the Tools Library menu to manage Support Equipment.
Modified the Task edit form to select Task SE from the EA table and to show non-recommended Task SE items in red.
Also modified the code to ensure that any CG records have a corresponding EA entry.

Issue No: 554 Need to be able to change Mission Code character

Modified the program to allow a Mission Code to be changed from the Tools|Libraries|Roles and Missions Library form.

Issue No: 555 Need to be able to view/edit Mission Phase Code narrative

Modified the code and form design of the Edit FMECA form to enable viewing/editing of Mission Phase Code characteristics narrative both for design provisions and operator action provisions.

Issue No: 561 Inititiating LCN Type being dropped in RE table

Corrected the code to load (and subsequently save) existing Servicing Intitating Conditions to prevent loss of the Inititiating LCN Type.

Issue No: 562 Missing checks when doing Orphan check

Modified entries in tblDependencies to ensure that RE/XB, RE/WA, RD/XB and RE/WA dependencies are checked during the Orphans check.

Software Application

Version: 2.1.16 Patch release

Released: 29-Jun-09

Issue No: 575 Occasional dropped line when importing

Import code modified to ensure that the last line of an import file is processed regardless of whether there is an empty last line or not.

Issue No: 576 Error when editing SE from SE Library

Corrected the code to properly unload the Edit SE form when exiting the form.

Issue No: 577 Duplicate Task sequences sometimes occur in Packaging

Modified the code in the Packaging form to assign Task Sequence numbers using a different method when adding, deleting or moving tasks within a Group.

Issue No: 580 In FMECA need to select Mission Phase Code by Role link

Modified the forms such that Mission Codes can be selected from the Roles/Missions form. This allows selection from the list of Missions or from the Roles/Missions tree.

Issue No: 581 Event selection needs to be more versatile

The tool has been modified to allow Events to be selected from the 7001.038 approved list or from the WA (LSAR Event Library) table in the working database.
The Libraries|Events menu option has been modified to allow adding/editing/deleting of Events in the WA table.
This way non-approved Events can be added and selected for use when creating Tasks or Servicings or assigning Part Primary Life Parameters to items.

Issue No: 582 Slave tasks do not display their Master Task\'s Facility Notes

The SQL statement which extracts the Master Tasks Facility Notes was amended to correctly display Facility Notes.

Issue No: 583 The FMEA Report should show the LCN\'s Functional Description

The FMEA report has been modified to show each LCN''s Function, Specification and Tolerances Narrative.
The page header has been broken up to show only the EIAC, LCN,ALC, LCN Type, Nomenclature and Item Criticality followed by the Function narrative so that the narrative would not be repeated for each FMI against an LCN.

Issue No: 584 Changing FLCN does not save

Corrected the code so that changing a FLCN/ALC will save correctly.

Issue No: 585 Some issues when copying a Failure Mode

The code was modified to allow copying Failure Mode details from an LCN to itself.
Also a message appears after copying to advise that on the FM details have been copied and NOT the FM Criticality details.

Issue No: 586 Need to have version control on the database

The program has been amended to test the compatability of the executable and the LSABlank database and to advise the user if there is an incompatability.

Issue No: 587 Backups and upsizing/downsizing should be restricted to Super Users

Database menu options permissions modified so that on Super Users can perform backups and Upsizing/Downsizing.

Issue No: 588 Error when running \'Make ACRNs\' in SQL Server database

Corrected an SQL string so that it uses the correct concatenation character for TSQL and MSSQL.

Issue No: 589 Not handling Storage Servicings (ST..) properly

Amended the code to handle ST servicings as a unique type and to not treat them as another Special servicing.
Also amended the servicing sorting code.

Issue No: 590 Problem when adding new Failure Mode

The code was modified to allow the user to enter a valid FMI when creating a new Failure Mode for an LCN.
If no FMI is entered, the next FMI after the highest FMI for the LCN is automatically determined.

Issue No: 591 Initiating Instance has TaskID and TaskCode in wrong order

Corrected the code to store TaskID and TaskCode in the correct order in the Initiating Instance field.
Also added code to check this concatenated Instance field during Orphan Checks and to update the Instance field when the Task is edited (if necessary).

Issue No: 592 Provide a method of exporting the grid in View Tables form

Modified the View Tables form to provide a means of exporting the grid contents as either a tab-delimited text file or a fixed width text file.
The tab-delimited file is easy to import into Excel, Access or Word and the fixed width is easy to view or print due to its column alignment.

Issue No: 593 Need to allow metric entry for PartNo dimensions and weight

Modified Edit Part Nos form to support entry of metric Unit Dimensions and Weight.

Issue No: 594 Need to be able to manage Import Table contents better

The application has been modified to examine the Import Tables when a database is opened and to report if there are any Import records which have not been Transferred to working tables.
Similarly, when doing an Import, the Import Tables are checked for existing records and the user is given the option of deleting the existing records or not or aborting the Import process so as to investigate the existing records.
Also the View Tables form has been modified to allow records to be deleted from the Import Tables. Deletions can be from any one Import table, any group of Import tables (eg all B tables) or all Import tables.

Software Application

Version: 2.1.17 Patch release

Released: 10-Aug-09

Issue No: 603 Imperial to metric conversion incorrect in Edit Ref Number form

Corrected the code to convert correctly from imperial to metric when displaying existing length, width and height values.

Issue No: 604 Anomaly with RCM Summary report on SQL Server

This error only occurs when using a SQL Server database.
Modified an SQL statement to ensure a unique occurrence of LCNs with no linked Failure Modes.
This causes a new page to be turned up even if an LCN/ALC has no FMIs.

Issue No: 613 Error when selecting TMP report

This occurs if there are no TMCs in the database. In which case the first 2 formats are disabled and the program tries to set focus to the first format, causing an error.
Modified the code to check if a radio button is enabled before setting focus to it. In the case where there are no TMCs, focus will be set to the LCNs Only format.

Issue No: 614 Error when saving Failure Details on Item Ident form

Amended the code so that the correct MBs are stored with their corresponding values.

Issue No: 617 Need to enhance Anomaly Checks

Code amended to include anomaly checks for:
1. LCNs with multiple ALCs which have different WACs; and
2. TMP tasks on CIs which are do not have at least one Trade, Int/Event, Publication and Facility.

Issue No: 622 Error with CK table orphans check

The code has been modified such that the comparison between CK and CC is done in two steps, firstly to check for a valid TSFROMCK and secondly to test for a valid TEXTTOCK.

Issue No: 628 Extra anomaly checks required

Code has been modified to include the following anomaly checks:
1. Report instances where the same Tech Manual Number has been assigned to a task or servicing more than once;
2. Report instances where text fields contain characters with an Ascii code greater than 126 and less than 32.

Also a new fix database option has been added to replace characters in any field with an Ascii value less than 32 with a space.

Issue No: 640 Error when print 5102.003 PSS Report

Fixed the SQL statement which contained an erroneous hard coded statement.

Issue No: 649 Require Find By buttons on Find form

Modified the Find form to include Find By radio buttons.

Issue No: 650 Modify field order on Edit LCN/RefNo form

Modified the field layout of the Edit LCN /RefNo form to align the fields with the RefNo list on the Edit PLCN form.

Issue No: 652 Error when saving a PSS task with Trade notes

Corrected the code to correctly save Trade notes for PSS tasks with nore than one subtask.

Issue No: 657 Problem when editing task or servicing initiating conditions

Code corrected to include the saving of changes to Initiating Mode when editing initiating condition.

Software Application

Version: 2.1.18 Patch release

Released: 14-Aug-09

Issue No: 661 Error after performing an Import

Software Application

Version: 2.1.19 Patch release

Released: 01-Sep-09

Issue No: 694 Need to modify LSABlank version due to eLORA issue

MRD Tool modified to make it compatible with the updated LSABlank which was modified to support eLORA issue 479.

Software Application

Version: 2.1.20 Patch release

Released: 16-Nov-09

Issue No: 609 Restricted ATF Codes

Descriptions against the ATF codes in tblLookup were modified to indicate those NOT suitable for Aviation use.
The Picklist form was modified to allow resizing to read the longer descriptions if necessary.

Issue No: 709 Need to re-institute the MS Project export of Servicings

The code has been modified to export a servicing as a text file which can be imported by MS Project.
The servicings tasks can be imported into MS Project using the standard MS Project Task Export Table map filter.

Issue No: 712 Error with PSS reports

Modified the main SQL statement to prevent multiple occurrences of subtask details in PSS reports.

Issue No: 713 The FMEA report cannot easily report FMEA on FLCNs

The LCN selection form called up by the FMEA report option was modified to allow the LCN list to be populated from the Physical Tree or the Functional Tree on the main form.

Issue No: 723 Need two more anomaly checks

Two extra anomaly checks have been added. One which reports virtual decimal point DEDs which contain a real decimal point and another which reports LCNs whose parents have a different ALC and which do not have a Base ALC in the ZL table.

Issue No: 733 Order of RNVC and RNCC fields in Add Reference Number form

The order of the RNVC and RNCC fields was reversed on the Part Number edit form and tabbing order changed accordingly.

Issue No: 743 Sorting of Initiating Conditions in LCN only TMP Report

Modified the LCN Only TMP Report to sort repetitions of the same Initiating Type print in alphabetic order for a given LCN/ALC, Taskcode and Initiating Mode.

Issue No: 751 Error when downsizing database

This error occurs on old databases that have not been opened by eLora.
eLora updates some table structures, if necessary, when opening a database.
The eMRD Tool has been modified to make these same table structure mods for users who do not use eLora.

Issue No: 753 Resequence order of FMEA Narrative fields

The Failure Cause field was moved to immediately follow the Failure Mode field and the tab order was modified accordingly.

Issue No: 754 Task code selection

Modified the code so that once a tab is selected and a Task Code is constructed using the Task Code Selection form, the next time the Task Code Selectionis opened it will open on the previously selected tab.

Issue No: 760 Error when producing Baseline after Export in SQL Server mode

The Baseline creation code was modified to fix the error.
Note that producing a Baseline necessitates the creation of a new database.
In SQL Server this can only be performed by an operator who has the necessary file and database permissions on the server.
For most users this option will fail.

Software Application

Version: 2.1.21 Patch release

Released: 21-Jan-10

Issue No: 763 Error when deleting master tasks

Corrected the code so that BH, WO and WT records are deleted when a Slave task is deleted.

Issue No: 783 Problems when deleting UOCs

Modified code to check for servicings, WACs, ATFs, Part provisioning and LCN links to the UOC to be deleted and to display the numbers of each prior to requesting permission to delete the UOC.
Also corrected the code to delete records from every table related to UOCs.

Issue No: 785 Another anomaly check required.

Modified code to include an anomaly check to report Master tasks with Initiating Conditions or Claimed Activities which have Slave tasks on LCN/ALCs different to the Master task's LCN/ALC.

Issue No: 786 Task edit form not loading FRR data

Corrected the code to display the existing FRR for each 5692 PSS subtask.

Issue No: 799 Probelm when 2 or more people are adding new LCNs in the same branch

The problem occurs because the new PLCN created by the user who saves first is not reflected in the PLCN trees of the other users.
The code already checks the XB table during a save to get the highest PLCN for a given parent, but it then tries to find it in the PLCN tree (and of course it's not in everyone's tree). Hence the error.
We need to review and recode what happens at save time if the new PLCN already exists.

Issue No: 804 5th character of WAC not showing in TMP report

Adjusted WAC field width on TMP Part3 LCN only and TMP Part3 All Details reports to prevent truncation of 5 character WACs.
TMP Part3 TMCs Only does not show WAC, so did not need correction.

Issue No: 806 NDE should be replaced by NDT in Process libraries and CA table

Code modified to convert NDEs to NDTs in Process libraries and CA table during program initialisation.

Software Application

Version: 2.1.22 Patch release

Released: 22-Jan-10

Issue No: 810 Error when running the new Master/Slave task anomaly test

The error is due to the code trying to add LCN/ALC/TaskCodes to the anomalies display tree multiple times if there are multiple Inititating Conditions / Claimed Activities.

Software Application

Version: 2.1.23 Patch release

Released: 18-Mar-10

Issue No: 812 Filepath error when dbl clicking WAC picture

Amended the code to correctly locate the path to a linked WAC image.

Issue No: 820 Renumber LCNs is not including some eLora tables

Modified startup code to add Lora Economic and Non-Economic data tables to tblTableStructures in MRDBlank.
Modified some other areas of the code to recognise these new entries.

Issue No: 823 Reference Number is truncated in TMP Part3 reports

The Reference Number fields in all TMP reports were widened to allow for 32 character Reference Numbers.

Issue No: 824 Extra LCN group option for LCN/Task form

Code and form design modified to another option to the LCN/Task list form to list only those tasks linked to LCNs with the same prime Reference Number as the LCN on which the task is being created.

Issue No: 825 Restrict list of tasks to Masters only on LCN/Task form

Code and form design modified to another option to the LCN/Task list form to list only Master tasks or Masters and Slaves.

Issue No: 826 Remember the sort column on the LCN/Task form

Code modified to save and recall the LCN/Task list sort column and sort order.

Issue No: 831 Allow changing 2nd character of taskcode without popup message

The code was modified so that this check is only made when the standard is 5102.

Issue No: 832 After adding/editing a task, show task in task list

Modified the code so that when a task is created or edited, that new/edited Task is selected and highlighted in the task list on the main form.

Issue No: 833 When creating an ALC, the WAC is prefixed with a space

Amended the code to left justify WAC on the main form when showing details of an LCN.
This in turn prevents a space filled WAC being assigned when creating an ALC.

Issue No: 834 Remove WAC popup message when editn an LCN

The code has been modified to change how the WAC field is checked:
If the standard is '5102', the check is the same as before, ie the message is given when the 'Save' button is pressed and the WAC field is blank.
If the standard is '5692', the message is given when the 'Save' button is pressed and the WAC field is blank and the LCN is linked to at least one UOC.

Issue No: 835 Orphan problem with PLP assignment

Code modified to add VD/WA dependency when conducting the Orphans Check and, when editing a Part Number's details, to add the Primary Lifing Parameter to the WA table if it is not already there.

Issue No: 841 Error when checking for decimal points in Anomalies check

Corrected the code for the Decimal Point Anomaly check.
Also modified the code for all fields on the Item Identification form Failure/Repair Details tab which are stored as numerics with virtual decimal points to round the values to the approriate number of decimal places during the fields' Validate events.

Issue No: 845 Failure Mode Criticality Number incorrectly calculated

Amended the code so the Failure Mode Criticality Number is calculated correctly on the Edit FMECA form.

Issue No: 846 The Criticality Analysis matrix severities are incorrectly labelled

Amended the column labels on the Criticality Analysis matrix so the Category numbers are correct.

Issue No: 850 Prompt text incorrect

Corrected the Tool Tip Text for the Publication selection button in the Task edit form.

Issue No: 852 PSS task Overview report

Widened the WAC field on the PSS Task Overview report to prevent 5 character WACs from wrapping.

Issue No: 853 Anomaly Report-No WAC

The anomalies check which checks for PLCNs with no WAC was enhanced to give 2 different groups: CIs with no WAC and Non-CIs with no WAC.

Issue No: 855 Failure Mode Criticality (BI table) records created with blank FMI

This problem was found to be due to the operator creating a new Failure Mode and then selecting the Criticality button before saving the new Failure Mode.
The Criticality details are saved inthe BI table while the new FMI is blank.

The code was modified to prevent the Criticality button being enabled until the new Failure Mode has been saved.

Issue No: 856 RAM calculations not being performed

Code modified to perform calculations for Failure Mode Criticality Number and EFM MTBF whenever the Failure Rate or Failure Mode Ratios are changed.

Software Application

Version: 2.1.24 Patch release

Released: 30-Apr-10

Issue No: 868 Problem when adding Criticality Analysis to new (copied) FM

Issue No: 873 Anomaly with item Unit Weight conversion

Issue No: 875 Errors with Anomalies and Orphan checks on 5102.003 databases

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Issue No: 878 Error with slave task/servicing links when editing a master task

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Issue No: 879 Change caption on OK button on ADO Report Parameters form

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Issue No: 880 Incorrect default Viper path on ADO Parameters form

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Issue No: 882 Problem after importing a 2nd EIAC into a database

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Software Application

Version: 2.1.25 Patch release

Released: 18-May-10

Issue No: 671 TMP prints pages with no PLCN\'s linked.

Another anomaly report was added which lists FLCNs (and any UOCs they are linked to) which are not linked to a PLCN.

Issue No: 678 CI/Item List Report

Fields on the CI/Item List report were aligned to prevent blank columns being generated when exporting the report to a spreadsheet.

Issue No: 871 Add servicing link

On the Task Edit form a message box has been added to advise when a non-PSS task is being added to a servicing.

Issue No: 883 Incorrect Field Description Flags in 'Edit LCN / RefNo' Form

Corrected the ToolTips for the Essentiality Code and SM&R code fields on the "Edit LCN/RefNo" form.

Issue No: 884 Syntax Error when running Fix Database application

There is an error (missing pair of brackets) in the SQL statement for this anomaly.

Corrected an error in the SQL string for the "Roll up Failure Mode Criticality to Item Criticality" database fix option.

Issue No: 885 Optional Extended Nomenclature selection for search criteria

The Find form has been modified to include the ability to search by Extended Nomenclature.
No Reference Number/Cages are returned during this new search, but that is not a problem because the Extended Nomenclature is linked to LCN not Reference No/Cage.
The search can be performed as whole field, part of field or start of field.

Issue No: 886 Request for Resequencing after Import transfer to be optional

Resequencing is a very important function in the eMRD Tool and really must be performed after each Transfer to maintain the parent/child integrity and to help with performance.
Any time the XB table changes, but particularly when XB records are added, a resequence is required.
The Transfer code has been modifed so that a resequence is only automatically performed after XB table records are added or the ZL table is changed in any way.

Issue No: 888 When editing a MAster Task, the AOR should flow to the Slaves

The task edit form was modified so that when editing a master task the master's AOR will roll down to the master's slave tasks as a default.
The AOR can still be edited against each slave task if so desired.

Issue No: 889 When editing a Slave Task, more restrictions are required

Modified the task edit form to prevent the task code characters being changed when editing a slave task and to prevent the Trade being changed by double-clicking the Trade field.
Also modified the task selector form so that when editing a slave task TaskID, only the words afetr the verb can be changed - the rest of the form is disabled.

Issue No: 891 BAE request to add more detail to the Task Summary report

The Task Summary report was modified to include the Skill Speciality Evaluation Code field against each SubPID entry in the subtask details area.
Another subreport was added to list provisioning parts after the S&TE list for LSA tasks.
The Task Edit form was also modified to allow the user to enter/modify the SSE against an LSA task subtask/SubPID.

User Manual

Version: 2.1.1 This help file update for the SQL Server version

Released: 23-Sep-10

Issue No: 909 Update help files to replect eMRD V2.1.25 configuration

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Software Application

Version: 2.1.26 Patch release

Released: 23-Sep-10

Issue No: 892 Auto Upper Case

Modified the code to convert the field to upper case before storing the data.

Issue No: 894 Possible error with task packaging form

The code has been modified to allow a task to appear more than once in a servicing group and to appear in more than one group in a servicing.

Issue No: 898 Find form has errors when clearing the grid

Modified the code to prevent an error being generated when doing a second search after previous a search had returned no hits.

Issue No: 899 Problem with Transfer after Import

Amended the code to correctly handle the Resequence Required flag when importing a second or subsequent EIAC.

Issue No: 900 Problem using 'WhereUsed' from the PartNo Library form

Amended the code to prevent the Find form hanging after clicking 'WhereUsed' on the PartNo Library form.

Application: eMRD 5692	**Date:** 23-Jan-14

Issue No: 901 Problem in View Tables when outputting to a file

Amended the code in the View Tables form to prevent outputting the grid to the default 'Output.txt' when Cancel is pressed in the 'File Save' dialogue box.

Issue No: 902 Problem when listing SNo UOCs in multiple UOC databases

Amended the code so that when assigning SNoUOCs, the list only contains those SNoUOCs linked to the End Item UOC to which the LCN in question is linked.

Issue No: 903 Problem with Bulk Delete LCNs

Modified the code to ensure that only those LCNs in the BulkDeleteLCNs table are deleted.

Issue No: 904 Problem with Dlete LCN from the Physical tree

Modified the code to initially try to delete the LCN as a transaction to allow roll-back on error. If the 'Too many file locks' error occurs, the user is given the option of deleting without being able to roll-back on error.

Issue No: 905 Problem building the Base ALC table (ZL)

Amended the code so that ZL entries contain the correct, non blank, Base ALC for 'A' indentured LCNs.

Issue No: 906 Extended PSS Workcards - Character Dropping

Modified the task narrative formatting code in both the Normal and Extended format reports to prevent the loss of occasional characters.

Issue No: 907 Unneccessary Data Displayed

An extra filter was applied to all the TMP Part3 reports to only allow Nomenclature notes to appear against system headers.

Issue No: 910 Some Part 4 TMP reports do not filter by ICC

Corrected the data extraction code for the Part 4 reports so that they all use the item selection filter as selected on the ADO Report Parameters form.

Issue No: 911 Problem when assigned S/EI UOCs and SNo UOCs

The Assign ATF form has been completely revamped. It now has 2 lists for the LCN being edited:
1. a list of all the ACRN/UOC combinations for the LCN, and
2. a list of all the ACRN/SNoUOC combinations for the LCN.
Any combination from either list can be selected and its ATF created/edited.
The Edit PLCN will still show all ACRNs in the set and only those UOC or SNoUOC combinations which have ATFs assigned.

Issue No: 912 Servicing Extended Memo not functioning Correctly

The suspected cause of the problem as described in the issue is correct.
Amended the code in the Servicing Editing form to only update the Extended Memo for the servicing on the selected UOC.

Issue No: 919 Closing of Help File when eMRD closes

Modified the code to only keep one eMRD Help window open and to close the Help window on exit.

Issue No: 921 Errors when switching between FMEA tab and Failure Mode/RCM tab

The code was modified to strengthen the checks performed when entering Failure Modes and to provide meaningful information and error messages.

Issue No: 928 task groups not showing for Slave tasks in Servicing tab on Main form

Corrected the code on the Main form Servicings tab so that Servicing Task Groups are shown for Slave tasks performed on the selected LCN.
Also on the Tasks tab added a Servicing Groups node subordinate to the Servicings node so that the Groups in which a task is packaged can be easilt determined.

Issue No: 929 FLCN and PLCN lists not filtered by UOC on ADO Report Parameters form

Amended the code for the ADO Report Paramaters form such that a UOC must be selected before an FLCN range or a PLCN range can be selected and the FLCN/PLCN ranges are filtered by the selected UOC.

Issue No: 930 Problem with Facility Notes on Task Edit form

Amended the SQL statement so that Facility notes are filtered by the corresponding Facility code

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Issue No: 931 Initiating Instance stored with incorrect date format

Amended the Initiating Conditions edit form to provide validation of the date format if a DATE type Initiating Condition is being created/edited.

Issue No: 933 Illegal characters anomaly check should check for non-printable characters too

Modified the illegal characters anomaly check to also check for Ascii values less than 32, ie, the non-printable characters.

Issue No: 934 Anomaly check to find illegal ReqFit combinations for ALCs

Added an anomaly check to find any LCNs with multiple ALCs whose Required Fit combinations are illegal, ie a mixture of 'M' and 'O'.

Issue No: 936 Add Referenced by option in task packaging

Modified the Task Packaging form to allow right-click listing of referencing tasks when a Master task is selected from any of the task lists (ie, Tasks in the Servicing/Group, Tasks not in the Servicing and All TMP Tasks).

Issue No: 937 Some message boxes in Task Edit form need to be of a different type.

Modified the Task Edit form such that the message boxes advising that there are no Events or no Publications or no Facilities were changed to the 'Do not show this message again' type of notifications for non-TMP tasks.

Software Application

Version: 2.1.27 Patch release

Released: 14-Oct-10

Issue No: 402 Task Packaging sequence numbers

This issue was duplicated by Issue #756 and fixed in that Issue.

Issue No: 672 New Anomaly Report - Unlinked UOC to PLCN/FLCN

Add anomaly checks for LCN links to UOCs. There are 3 new checks:
1. a check for any LCNs not linked to any UOC;
2. a check for any LCNs linked to multiple UOCs; and
3. a check for any LCNs linked to a different UOC that their parent LCN.

Issue No: 756 Task Sequence Numbers Duplication

In the Task Packaging form, added options to resequence the Task Sequence numbers in either a selected Group or all Groups in a selected Servicing or all Groups in all Servicings for the selected UOC.
The Task Sequence numbers start at 1 and are incremented by 1 within each Group.

Issue No: 938 Add a WAC Ref field

Added a read-only Work Area Code field to the Task Edit form to assist the user.

Issue No: 940 Application Crash - Task Editing - Select task

Amended the code in the Task Packaging form to prevent the application from crashing when clicking the check-boxes in the task lists to add tasks to or remove tasks from a servicing or a group.

Issue No: 941 Servicing Task Group Sequencing - WS table

In the Task Packaging form, added options to resequence the Group Sequence numbers in either a selected Servicing or all Servicings for the selected UOC.
The Group Sequence numbers start at 1 and are incremented by 1 within each Servicing.

Issue No: 942 TMP Part 3 report ATF issue

Corrected the code to ensure that UOC ATFs print correctly in the Part 3 TMP reports.

Software Application

Version: 2.1.28 Patch release

Released: 02-Feb-11

Issue No: 945 A21GSE publication library

When LSARs were updated from Omega2B to OmegaPS, one of the cleansing processes was to ensure that all Tech Manual Codes (DED 437) consisted of 3 characters. Omega2B did not enforce this database rule.
The solution was to append '$' characters to fill the 3 positions with the result that there are Tech Manual Codes like 'IX$'.
When a new Publication is added in eMRD, the last Tech Manual Code is incremented to create the new Tech Manual Code using the ASCII values of the characters.
So IX$ is incremented to IX%, then IX& then IX'. Therein lies the problem - the ' character has a special meaning when writing to databases and causes the reported error.
eMRD was designed to force all Tech Manual Codes to be alphas only, however the Omega Upgrade process which appended $ characters allowed non-alphas through.
The work around is to manually edit the last Tech Manual Code to all alphas to allow eMRD to increment them properly.
Method:
1. Using View Tables, view table XI;
2. Scroll down to the last entry which should be IX&;
3. Change IX& to, say, IYA;
4. If the corresponding Tech Manual has already been assigned to one or more Tasks, the Tech Manual Code will also need to be changed from IX& to IYA in the CH table;
5. If the corresponding Tech Manual has already been assigned to one or more Servicings, the Tech Manual Code will also need to be changed from IX& to IYA in the WR table.

After this process, you should be able to add new Publications again.
This should only be a once-off procees for any database.

A future patch will ensure that the eMRD Tool will only generate alpha Tech Manual Codes for new Publications.

This Issue is fixed as per Issue 984.

Issue No: 960 Problem changing Task ID on Master tasks

Modified the Task Edit form so that if a Master Task's TaskCode changes particularly because its TaskID changes, the new TaskCode and TaskID will be replicated in the related Slave tasks.
Modified the ReferencedBy form to include TaskID so differing TaskIDs are visible.
No anomaly report or Fix Database option were added. If these capabilities are required, they can be performed by an Adhoc Query through View Tables.

Issue No: 961 Enhancement - Jump to Slave task from ReferencedBy form

Modified the task ReferencedBy form to include a 'Go To Slave' button.

Issue No: 966 Limit ALT-SHIFT-F10/F11 use

Modified the code so that only Super Users can use ALT-SHIFT-F10 and ALT-SHIFT-F11 on the Main form.
Modified the code so that only Super Users can run all types of queries from the View Tables form using ALT-SHIFT-F10, but non Super Users can only run Select queries (ie they cannot run Action queries).

Issue No: 973 Missing Initiating Conditions in TMP Part 2 report

Amended the TMP Part2 report to ensure all relevant Initiating Conditions are reported.

Issue No: 975 Task referencing refresh

Packaging form code corrected so that the Task Reference List form is unloaded when closed and the menu enabled/disabled correctly.

Issue No: 976 Task Grouping

Modified the Packaging form code such that if moving/copying tasks from one group to another in the same servicing the user is given the option of specifying whether it is a move or a copy.
Obviously if it is a move, the tasks will be removed from the 'source' group.

Issue No: 978 View the Master of a Slave tasks in Packaging

Modified the Packaging form to display the selected task's LCN, ALC, TaskCode and TaskID in the task narrative area at the bottom of the Packaging form.
If the selected task is a Slave task, the Master tasks's LCN, ALC, TaskCode and TaskID are shown in the narrative area.

Issue No: 979 Problem with some field definitions in LSABlank

Changes made to LSABlank as described in the Issue Problem.
(The reason for having to modify the primary keys in MSAccess databases is that MSAccess restricts the maximum number of fields comprising a primary key to 10).

Issue No: 980 For a second EIAC the ROLE codes are not EIAC specific

Fixed the SQL statement which feeds the Role dropdown list so that the list is EIAC dependent.

Issue No: 981 The WAC library function does not appear to be EIAC specific

Amended the SQL statement for deleting a WAC so that it is EIAC dependent.

Issue No: 982 ACRN-UOC-ATF not visible on the ACRN window on the main screen

Modified the Main form to show ACRNs and ATFs (not just Part Numbers).

Issue No: 984 Confusing screen message when addiing Tech Manuals to the library

Modified the code which determines the next Tech Manual Code. In eMRD, the user does not enter TMCode, eMRD determines the next value using the following rules:
1. determine the highest TMCode used so far and increment it;
2. if the incremented value exceeds ZZZ, then try to find gaps in the defined TMCodes;
3. if there are no gaps then allow duplicate TMCodes (although this seems wrong, the XI table keys allow this providing the Tech Manual Number is not the same).

Issue No: 985 Phrase library option on the Failure Mode narraive should be optional

Modified the Failure Mode Details form to allow the Phrase library to be called up as required (rather than by default) when filling in the Failure Description field.

Issue No: 986 When linking tasks to failure modes, the LCN selection process misses PLCN-FLCN links

Amended the code for the LCN selection form to correctly extract FLCN/FALC from the FLCN tree.

Application: eMRD 5692	**Date:** 23-Jan-14

Issue No: 989 Error when changing SNoFrom/To from Edit PLCN form

Corrected the SQL statement for writing to the WJ table from the Edit PLCN form to prevent an 'invalid field name' error.

Issue No: 990 Task Assignment to servicings is not validating End item UOC

Amended the code in the Packaging form so that the 'Tasks Not In' list only lists tasks on LCNs linked to the same UOC as the selected Servicing.
This prevents incorrect task assignments in a servicing.

Issue No: 991 Suggested new Anomalies report

Created a new anomaly report test which checks for LCN/ALCs which have an ACRN Set assigned which contains ACRNs without a UOC ATF or a SNoUOC ATF.

Issue No: 992 An empty MMET filed on a master task precludes it from the referencing functions.

Amended the Task Edit form such that MMET is not validated when editing a Slave task. (MMET is a task property which is inherited from the Master task and therefore must be edited as a property of the Master task).

Issue No: 1004 Add button to LCN Details screen to call up the Nomenclature Note/Memo field

Added a command button to the Edit PLCN form adjacent to the Nomenclature field to provide edit access to the Nomenclature Extended Memo data.

Issue No: 1005 Run Time Error on Task Summary Screen

Amended the Report LCNs selection form to prevent the Preselect button from being enabled until the PLCN radio button is selected.

Issue No: 1007 Refresh issue with the Grouping screen

Amended the Packaging form code so that when one or more tasks are dragged from the 'Tasks Not In' list and dropped directly onto a servicing group, the affected tasks will be removed from the 'Tasks Not In' list.
This problem only occurred when dropping onto a group - it was OK when dropping onto a servicing.

Issue No: 1009 Value in the Int (Hrs) column on the grouping screen seems invalid.

Corrected the code on the Packaging screen task lists which converts YR events to hours.

Software Application

Version: 2.1.29 Patch release

Released: 24-Feb-11

Issue No: 1037 ADO reports

Amended the ADO Reports Parameters form to accept up to 5 characters in the Section and Chapter fields.
Also modified all the PSS reports to allow for more characters in the Section/Chapter field in the Page Headers of the reports.

Issue No: 1038 LCN Renumber problem

Fixed the problem in the code which generated an error on tblDecisionEcoLinks when performing an LCN Renumber.

Software Application

Version: 2.1.30 Patch release

Released: 30-Jun-11

Issue No: 1051 Problems with eMRD v2.1.29 and SQL Server databases

The remedies/solutions for the problems are as follows (the solution numbers correspond with the problem numbers):

1. this error can be ignored - the database will have already been correctly upgraded ;

2. tblDecisions, tblDecisionEcoLinks and tblNonEcoDecisionLinks will have been created with ownership assigned to the user who initially opened the database with v2.1.29.
The SQL Server DBA will be required to reassign ownership of these 3 tables to 'dbo'; and

3. the SQL Server DBA will need to check table tblTablesToCopy in the LSABlank_LE1 database and delete the record with field 'TableName' containg the value 'TableName'.

Note: Problems and solutions 1 and 2 will apply to each SQL Server database in use on each SQL Server instance.
Problem/solution 3 will apply to the LSABlank_LE1 on each SQL Server instance.

Issue No: 1052 Sectionalized Item Transport Indicator

Amended the code in the Edit PLCN form to display and save the Sectionalized Transport Indicator field.

Issue No: 1059 When deleting an LCN, the LCN is not deleted from LORA tables

An immediate work-around is to run an appropriate adhoc delete query on each affected LORA table.

Issue No: 1061 Use of single quotations in subtask Id filed creates a 'Syntax error (missing operator)' error

Amended code so that saving a SubTaskID containing single quotes does not generate an error.

Issue No: 1076 Change PartNo/Cage causes an error

Amended the Change PartNo/Cage code to correct the misspelt table which was causing the error.

Issue No: 1083 'System Resources Exceeded' error when upsizing

Modified the copying process such that if this error is generated when copying a table using the whole table at once method, the error is trapped and the table is copied record by record.
Although record by record is considerably slower it is rarely required.

Issue No: 1087 Deleting an LCN does not delete records for LCN-related LORA tables

This issue is a repeat of issue 1059 and has been signed off in that issue.

Issue No: 1088 Publication title is being truncated in TMP Part3 reports

Amended TMP Part 3 reports so that Publication titles would not be truncated.

Issue No: 1092 Delta exports not picking up changes to existing narrative type fields.

Amended the code for delta exports so that element change and element deletion transactions work correctly.

Software Application

Version: 3.0.0 First .Net Version

Released: 07-Jul-11

Issue No: 757 Applying TMP event change to referenced tasks

Modified the code such that when a Master task is edited, the first 5 characters of its Taskcode and its TaskID are copied to all of its Slaves.
If a Slave's TaskID needs specific wording (different to its Master's wording), then the Slave will need to be edited to change the TaskID.
Fully implemented in the .NET version (v3.0.0).

Issue No: 867 WAC Picture File enhancement

Enhanced functionality to store multiple picture files against a WAC.
Linking to Failure Modes was not implemented.
Functionality includes transferring pictures from the old WAC Picture File storage method to the new one.
Implemented in the .NET version (v3.0.0).

Issue No: 962 Ability to save ad hoc queries

Added functionality to save adhoc queries which are created using the ALT-SHIFT-F10 function in the View Tables screen.
The queries are saved in an XML file in the database's working folder.
Saved queries can be reloaded from the file for subsequent running.
Implemented in the .NET version (v3.0.0).

Issue No: 968 Trade codes not available

New function added to enabled editing and creation of Trades.
This option is available under Tools | Libraries | Trades.
Fully implemented in the .NET version (v3.0.0).

Issue No: 1000 Export to Project Enhancement

Enhanced the export to MS Project of a Servicing's Grouped Tasks to include task trades as resources and task narrative as notes.
The file is exported in XML format.

Issue No: 1032 Software does not support failure mode referencing

Implemented in the .NET version.

Issue No: 1063 Add the ability to Edit a Servicings details from the Servicing tab on the maion screen.

Implemented in the .NET version.

Issue No: 1064 Add ability to edit a task from the Servicing tab on the main screen

Implemented in the .NET version.

Issue No: 1065 Add abiity to Drag and Drop a task to a group on a different servicing

Modified the Task Packaging screen to allow the user to move or copy a task from a group in one servicing to a group in another servicing.

Issue No: 1066 Improve message prompt when dragging and dropping tasks in the grouping function

Created a new and simpler message form for the Task Move or Copy function in the Task Packaging screen.

Issue No: 1070 Copying a group from one servicing to another globally replaces the groups in the target servicing with those from the host servicing

Investigation has shown that this is not a data issue.
The copied Group and its Tasks are appended to the destination Servicing.
The problem is actually just a screen refresh issue - the source Servicing's Groups are being loaded against the destination Servicing in the Servicing tree.
If the Packaging form is closed and re-opened, the Servicing tree shows the correct information.

The screen refresh issue is fixed in the .NET version (v3.0.0).

Issue No: 1078 Add A FLCN Links Tab to the Task Details screen

Added a menu option to bring up the FLCN Links form.
Implemented on the .NET version (v3.0.0).

Application: eMRD 5692 **Date:** 23-Jan-14

Issue No: 1085 On the task packaging screen tab for Tasks not in the selected servicing, ther is no trade column

A Trade field has been added to the 'PS Tasks not in' list int he .NET version

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Issue No: 1093 Add the name of the RCM logic to the Header details in the RCM Reasoning field

Add functionality to the RCM Analysis form so that the name of the RCM Logic used is included in the header string for the analysis narrative.
Implemented in the .NET version (v3.0.0).

Issue No: 1094 When on a Slave task add the ability to go to the related Master Task.

Added a 'Go To' button on the Task Packaging screen to allow navigating to the Master when on a Slave task.
Implemented in the .NET version (v3.0.0)

Issue No: 1097 Add a Task List view

This has been implemented using the existing LCNTasks form instead of creating something very similar.
The Task Type radio buttons were changed to Checkboxes and and we lost the 'All types' option.
Also the Master and Slave options were changed to checkboxes.
An Edit button and Go To Master button were added.
Issue 1082 has been covered by this solution too.

Issue No: 1098 Indicate true LCN alternates as opposed to ALCs

True alternates are now indicated as underlined font in the Physicals tree on the Main form.
A 'List Alternates' PLCN menu option (and context menu option) have been added to list the selected LCN/ALC's Alternates and Base ALC if applicable.

Issue No: 1103 Error with extended version of Viper export

Modified the Extended format Viper file export so that if Extended Nomenclature is blank, then Nomenclature (DED 201) is used.

Software Application

Version: 3.0.1 First .Net Version

Released: 08-Aug-11

Issue No: 321 Need to know how many users and who are using Server Licence

Added a menu option under LES Tools to show how many server licences are in use and the following details of the licences in use:
1. UserID;
2. Application is use (could be eMRD or eMRD Companion);
3. The version of the software in use;
4. The name of the computer on which the application is running; and
5. The date/time when the application was started.

This form also appears when starting the application if the number of licensed users has been reached, thus allowing the user who cannot start the application to determine which users are using the licences.

NOTE: this functionality only relates to server licences - not to stand-alone licences.

Issue No: 1033 Software does not support failure mode to FLCN mapping

Modified the Edit FMode Details form to allow editing of the FMode / FLCN link as defined in DEF(AUST)5692 table VF.

Issue No: 1080 Phrase Library should be optional when creating subtasks

Modified the Edit Task form so that use of the subtask phrase library pop-up is optional.
The phrase library can be accessed at any time whilst the subtask textbox has focus by pressing Alt-P.

Issue No: 1081 A Task Id field cannot be manually populated when creating a task.

Modified how the Task Selector form works in conjunction with the Edit Task form's TaskCode validation function to avoid situations of circular loops with no exit.
All task types (TMP, PSS and LSA) require selection from the Task Function list, but PSS and LSA TaskIDs can subsequently be edited.
The TaskCode 5 character drop-down now lists TMP Tasks and PSS Tasks on the TMP and PSS tab if working in a 5692 database.

Issue No: 1109 Base ALC does not display Alternates (V3.x)

Corrected the code on the Main form so that Listing Alternates for a Base ALC works correctly.

Issue No: 1110 Adding servicing link in task edit does not work (V3.x)

Changed the Servicing Picklist to Full Row Select so the user can click anywhere in a row to achieve selection.

Issue No: 1111 FM Referencing does not comply with 5692 (V3.x)

Corrected the code so that Slave FModes reference their Master FModes' BI and BJ tables .
Similarly the Change FMI now correctly maintains the RI table so that any existing FMode Master/Slave links are maintained.

Issue No: 1112 FMI to Task Linking doesn't work for existing tasks (V3.x)

Corrected the code to create a FMode / Task link using the Link to Existing Task option on the FMode tree on the Main form.

Issue No: 1113 Cannot renumber an LCN if it has an alternate (V3.x)

Modified the Change LCN/ALC function so that it is aware of Alternates.

Issue No: 1114 Copying tasks from one Servicing Group to another does not work (V3.x)

Amended the code to ensure that WO table records are created when copying a task from a group in one servicing to a group in another servicing.

Issue No: 1115 Error when creating a new FLCN

Amended the FLCN form so that a WY record is created when any of Item Criticality, MTBF-B or Extended Nomenclature is non blank.

Issue No: 1116 Error deleting a UOC definition

Corrected SQL statement to allow deletion of a UOC definition when editing a PLCN or FLCN.

Issue No: 1117 Reverse 'Failure Mode, Functional Failure' Statement

Reversed the wording within the brackets after Failure Description to read (Functional Failure, Failure Mode).

Issue No: 1118 Problem viewing/adding FM Ratios from FM Details form (V3.x)

Amended the code which loads the FMode Ratios list to prevent the error occuring.

Issue No: 1119 DED Help links not active on the FMECA Criticality edit form (V3.x)

Linked the DED help to fields on the FMECA Criticality edit form.

Issue No: 1124 Phrase library option on the Failure Mode narraive should be optional

Failure Mode Details form modified so that when editing the Failure Description field, the Phrase Library is only called up if desired, by pressing Alt-P.

Software Application

Version: 3.0.2 .Net Version. Updated to account for 64 requirements.

Released: 07-Oct-11

Issue No: 1128 Part 3 All Details report cannot be filtered by system

Modified the ADF Report Parameters form so that FLCN filtering works for the Part 3 All Details report (as well as the Part 3 LCN Only report).

Issue No: 1130 Problem with Task Selector form when creating TMP tasks

Amended the Task Selector form code to correctly increment the Process code counter if a Process has been assigned more than once to the same LCN/ALC.

Issue No: 1133 Error when editing a Servicing from the Task Packaging screen

Amended the Task Packaging form so that a servicng can be edited and saved without error.

Issue No: 1135 Problem when deleting a subtask from the Edit Task form (v3.0.1)

Amended the Task Edit form so that when deleting a subtask, the list of slave subtasks shows the correct items.

Issue No: 1137 V3.0.1 LCN Part 3 report errors

Adjusted the field positioning in the Part 3 report to prevent Notes from over writing Initiating Conditions.

Issue No: 1138 Problem when running on 64 bit Windows platforms

After much investigation it was found that there were two problems - one relating to the ability to list SQL Servers and their databases and another relating to opening MSAccess databases. There was yet another issue with executables created under a 64 bit Windows environment not working correctly on 32 bit Windows platforms.

Software Application

Version: 3.0.3 .Net Version. Updated to account for 64 requirements.

Released: 26-Oct-11

Issue No: 1148 Fix Anomalies - Capitalize (all but narrative fields)

Issue No: 1149 Candidate Items not Bolded

Issue No: 1150 Restore view reports function

Issue No: 1151 Change the Main form tree loading code

Issue No: 1152 Runtime error in Task Selector form.

Issue No: 1154 Problem when cancelling a running report or when a report crashes

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Issue No: 1155 Spurious problem with the Task Summary Report

Issue No: 1156 Problem when changing a Task's TaskCode or TaskID

Issue No: 1157 Add function to allow control over task code allocation

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Issue No: 1158 Servicing Title not displayed on Servicing Links screen

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Issue No: 1159 Need more versatility for TaskID creation on Task Selector form

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Software Application

Version: 3.0.4 .Net Version. Updated to account for 64 requirements.

Released: 15-Dec-11

Issue No: 1068 Add ability to Drag and Drop a task within a group in order to quickly change the task sequence.

Modified the Task Packaging form to allow a task to be moved to a nominated Task Sequence position within a Group. The old option of moving a task up or down one position remains.

Issue No: 1163 ADO Reports Viper File Naming

Corrected the Viper file function so that the file is named correctly according to the servicing that it contains.

Issue No: 1164 Drag Drop Packaging error

Corrected the task packaging form error that is produced when dragging a second or subsequent task to a group or servicing.

Issue No: 1165 Required Fit business rule too strict

Modified the validation check for RF and Nomenclature so that:
If an LCN's Nomenclature starts with '*', then the RF should be 'N'.

Issue No: 1166 Interval/Events

The underlying table (WB) will not allow the same Event to be applied more than once to a task, so modified the edit task form to prevent the same Event from being applied more than once to a task.

Issue No: 1168 Tasks on non Candidate items can appear in PSS reports

Several changes have been made to address this situation:
1. A pre-report check has been added to advise the user, by pop-up message and by a report, of any tasks on non-CIs which are packaged in a servicing to be printed or output as a Viper file;
2. Another section has been added to the Servicing Anomalies report (available in the Packaging screen) which lists all packaged tasks on non-CIs in all servicings;
3. A Candidate Item (CI) column has been added to the 'Tasks In' list and the 'Tasks Not In' list to help the user to identify tasks which should not be packaged according to their CI status (it's up to the user to NOT select them).

Note: To avoid any potential airworthiness issues which might occur if these tasks are filtered out of the PSS reports / Viper files, eMRD WILL STILL include all tasks as before.

Issue No: 1169 Cannot delete a Part Number from Part Number library

Corrected the error which prevented deleting of a Part Number from the Part Number library.

Issue No: 1170 Losing blank lines in TMP Report notes

Corrected the extraction and printing of TMP Report notes so as not to lose blank lines.

Application: eMRD 5692	**Date:** 23-Jan-14

Issue No: 1171 Enhancement for creation of the sequence characters for new TaskCodes

Modified the Task Edit form to allow the user to choose whether eMRD should look for gaps in Taskcode sequences (ie use the lowest available sequence) or use the next highest sequence.
This has been implemented as a new menu option on the Task Edit form.
It is user specific and the setting will remain until changed by the user or when a new version of the application is installed.

Issue No: 1173 Problem when saving an edited task

The problem only occurs if the apostrophe is in the first 12 characters of the TaskID and occurs when trying to update initiating condition tables (RD and RE).

Issue No: 1174 Provide for XML file output from View Tables

Added an output to XML file option from the View Tables form.

Issue No: 1176 Can not change ATF

Upon investigation, the error occurs when changing ATF on an ACRN linked to a SNoUOC in a SQL Server database.

Issue No: 1177 Changing TaskIDs for existing tasks changes the Taskcode

A number of enhancements have been added to the Task editing area to provide flexibility between TaskCode and TaskID:

1. A new options form (accessible from the Task Edit form menu) has been added. This form allows the user to choose:
   a. How and if a TaskID is generated when selecting an Action word from the list;
   b. Whether or not to couple the first character of the Taskcode to the TaskID action word;
   c. How the Taskcode suffix is automatically generated (this is a relocation of the solution to Issue 1171).

2. The TaskCode form (accessible from the ellipsis button next to the Taskcode field on the Task Edit form) now has a field for the user to enter a Taskcode suffix.
So as well as being able to choose any of the 5 characters that make up the Taskcode, the user can also specify the suffix characters.
The possibility of generating a duplicate Taskcode is checked when clicking the 'Use' button.
The Taskcode form, therefore, now provides a 'Change Taskcode' capability.

3. A blinking indicator appears against the Taskcode ellipsis button on the Task Edit form to highlight the fact that the Taskcode has changed.
Users should be aware that if a task is a Master and its Taskcode changes, then its Slaves' Taskcodes will also change.

Software Application

Version: 2.1.31 Modified from 2.1.30 to correctly print TMP Part 4 reports

Released: 12-Apr-12

Issue No: 1143 Problem when deleting a System using v2.1.30

Corrected SQL statements to allow correct deletion of Systems in the VB6 version.

Issue No: 1199 TMP Part 4 Phy to Fun LCN X REF (applies to VB6 version of eMRD)

This has been replicated from Issue 1198 so that the issue can be addressed in v3 and in v2.1.

Modified the record selection criteria for TMP Part4 reports to comply with the spec.

Issue No: 1200 Problem when assigning SNoATF's in v2.1.30

Corrected the SQL statement involved when applying SNoATFs in SQL Server databases.

Software Application

Version: 3.0.5 Assortment of updates and bug fixes

Released: 12-Apr-12

Issue No: 994 The master task is not flagged in anyway.

Added functionality to distinguish, on the main form, between master tasks and tasks that are not referenced.
Slave tasks are blue, other tasks are black and are also underlined if they are master tasks.
This was implemented in v3.0.1 but not recorded against the version.

Issue No: 1062 Add a function to make a copy of a servicing

Implemented a function to allow an existing servicing to be copied completely or in part.
The function can be initiated from the Servicing Library form or from the Packaging form.

Issue No: 1129 Add DEDs to tblLookups

Many DEDs have been added to tblLookups.

Issue No: 1172 FMEA Reports format

Modified the FMEA report to print all Damage modes first with the word 'Damage' in the header, followed by the Failure modes with the word ''Failure' in the heading.

Issue No: 1175 Changes to Subtask Certification Requirement

Modified the PSS reports to handle the new Signup Requirement code of 'S' IAW AAP 7001.038(AM1) policy.

Issue No: 1184 Occasional Dupe SubPID error when editing a task

Corrected the Task Edit form code to prevent errors occurring when a subtask has been deleted and another subsequently added in the same edit session.

Issue No: 1185 Running Bulk Delete Tasks generates an error

Corrected the problem which was causing the Bulk Delete Tasks function to fail with an error.

Issue No: 1186 Many non-multiline textboxes are accepting Returns (ie Enter Key)

Amended the AcceptReturns property of all non-multiline textboxes so that they will not accept the Carriage Return characters if Enter is pressed.

Issue No: 1187 tblAssemblies is not copied when copying an LSAR from Tools menu

Corrected the code to ensure that tblAssemblies is copied when using the Tools | Database | Copy function.

Issue No: 1188 Problem when adding an ALC

Corrected the code so that the Physical tree is updated correctly after adding an ALC that is an assembly in the Standard Configuration table.

Issue No: 1189 Problems with Standard Configuration functionality

Modified the Standard Configuration Check so that it recognises Alternates within assemblies and builds are correct generic representation of an assembly.

Issue No: 1190 Enhancement when entering Warnngs, Cautions or Notes

Modified the Task Edit form to position the cursor after the underline when entering Warnings, Cautions or Notes.

Issue No: 1191 Problem loading the System tree when multiple 'A' indent FLCNs

Corrected the problem that occurs when loading the System tree in databases with multiple 'A' level FLCNs).

Issue No: 1192 Error when assigning Events to Servicings

This problem also occurs when trying to create Initiating Conditions which refer to an Interval/Event.

Corrected the problem of not being able to assign an Interval-Event to a Servicing or Initiating Condition.

Issue No: 1193 Changing TaskID also changes the first SubtaskID

Modified the Task Edit form so that changing a TaskID only changes the first SubtaskID when creating a task (not when editing an existing task).

Issue No: 1198 TMP Part 4 Phy to Fun LCN X REF

Modified the record selection criteria for TMP Part4 reports to comply with the spec.

Issue No: 1206 Unknown warning origin when compacting database

Investigation shows that it occurs when trying do a Compact after using the Fix Database option on MSAccess databases. Fix Database makes a 2nd connection to the database to do its 'thing', but it leaves the 2nd active when it has finished.

Amended the code to close the connection which was being left over after doing a 'Fix Database'.

Issue No: 1210 Occasional problem when 'Going To' Master Task on main form

Investigation shows that the problem occurs on Slave Tasks on LCNs which have a forward slash (/) in their Nomenclature.

Modified the code to allow navigation from Slave Task to Master Task without error.

Issue No: 1213 Problem when saving Unit Weight on Edit PartNo form

Amended the code to ensure that Unit Weights > 9999.9 lbs are correctly formatted for writing to the database.

Issue No: 1214 Need to add UI Conversion Factor field to the Edit PartNo form

The Edit Part Number form was modified to include the Unit of Issue Conversion Factor field.

Software Application

Version: 3.1.0 Build No: 27862
Assortment of updates and bug fixes

Released: 20-Jun-13

Issue No: 284 Need a button on the RCM Analysis form to access Tasks

Added a button to the RCM Analysis form to allow management of FMode-Task links.

Issue No: 422 ACRN Set Generation

This error only occurs if the option to include HB records as alternates is NOT selected. Problem has been rectified.

Issue No: 1011 PSS Narrative use of % symbol and CAMM2 ePSS issue

Added an option to the Anomalies form to search for use of the '%' character anywhere in the exportable tables.
Like the 'illegal' character check, it can be optionally run.

Issue No: 1084 When moving an LCN that has an ALC the ALC is left behind

The ability to 'View Alternates' has been in place for some time now.
Right-clicking on an LCN and selecting 'View Alternates' will advise if an LCN/ALC is part of an Alternates set or not and, if so, what its Base ALC and Alternates are.
The 'Move LCN' has been modified to move all Alternates in a set when one ALC is the set is moved.

Issue No: 1095 Add a function to select which Anomaly to run when running the Anomalies Report.

The Anomalies form has been modified to allow the user to select which anomalies he wants to check for, similar to the Fix Database form.

Issue No: 1141 Add a Previous-Next function on the Task Detail screen

Added 'Next' and 'Previous' buttons to the Task Edit form.
These buttons are only visible and active when the Task Edit form is called up from the Main screen.

Issue No: 1160 Baseline table links can cause problems for MSAccess databases

Modified the code to make handling of Baseline databases more robust when working with MSAccess databases.
When doing an Export a check is made for the existence of LSA_Baseline.LE1 in the same folder as the working database.
If the file exists, it becomes the Baseline database against which comparisons are made if a Delta Export is chosen and new table links are created.

Issue No: 1179 Servicing Links suggestion

Add the ability to place a task in a Servicing Group and set its Task Sequence from within the Task Edit screen.

Issue No: 1208 Add Item Criticality Calculation to eMRD

Code added to calculate Item Criticality Number whenever the Failure Mode Criticality Number changes - particularly when modifying Failure Mode Ratios.

Issue No: 1222 WAC Reporting

Work Area descriptions can now be printed from the Work Area Library/Edit area.
The reports can be for just one Work Area Code or for the lot.

Issue No: 1232 Require FUNCFLVF field to be added to table VF

Functional Failure Field (FUNCFLVF) has been added to the VF table and the field is available on the Edit Failure Mode Details form.

Issue No: 1234 Provide functionality to convert a task from stand-alone to slave

Functionality has been added to convert a slave task to a standalone task and to convert a standalone task to a slave.
When converting a standalone to a slave, the user is presented with a list of standalone/master tasks to slave to.

Issue No: 1246 PDF Functionality

Capability has been added whereby the user can select multiple single pages and groups of pages for printing/export while viewing a report.
The selected pages do not need to be consecutive.

Issue No: 1247 Request for change – amend ALC RF change process

The behaviour of saving changes to Required Fit for ALCs has changed.
If an LCN's RF is changed from to 'O' or 'M' and the LCN has Alternates with RF of 'O' or 'M', a warning form is popped up when the changes are saved to advise that the LCN has Alternates and to ask if all the ALCs should be changed to the same RF.
If the user selects 'Yes', the changes are applied. If the user selects 'No', no RFs are updated.

Issue No: 1248 Need to incorporate the eLSA PickFromList form

The PickFromList form has been enhanced to show extended descriptions of options where available.

Issue No: 1249 Need to add functionality as per eLSA gap analysis

Extra functionality has been added to the System/Item Identification option on the Main form.
This new functionality includes full support for:
1. RAM Characteristics (BA table),
2. RAM Logistics Considerations (BC table),
3. War/Peace RAM Indicator Characteristics (BE table) and
4. RAM Criticality (BK table).

Extra functionality has been added to the Task Edit form to provide:
1. full support for all fields of the CA table,
2. support for Subtask WAC in the CB table,
3. improved support for SubPID in the CD table,
4. support for subtask cross-references (PSS subtasks XRef LSA subtasks) (RP table) and
5. support for Facility Task Time and Cost (Ve table).

Also support for Job and Duty assigments (CJ table) via Tools|Libraries.

Issue No: 1251 Can't save FM Link in Slave Task

Corrected the code error preventing a Failure Mode link from being created from the Task Edit form.

Issue No: 1253 Slave Task Editing

Corrected the error which prevented some valid edits from being saved when saving an edited slave task.

Issue No: 1254 Problem with Failure Mode Crticality Number validation

Amended the code to do a numeric comparison when comparing a new FM Criticality Number with a previous one (rather than doing a string comparison).

Issue No: 1258 Cannot create associated files folder from UI

Added an option under Tools|Database to manage the Support Files Path when in a SQL Server database which will allow a Support Files directory structure to be created or selected.
However the user might still be prompted about there being no Support Files Path because the path is recorded against the opened EIAC, and prior to import there may well be no EIAC.

Issue No: 1259 Need a menu option to manage the Support Files Path for SQL Server databases

See Isuue 1258.

Issue No: 1264 Need Resequence after Building Structure Table Using LCNs

Modified the code to optionally do an LCN Resequence after doing Tools|Build Structure Table|Using LCNs.
This is to ensure that the Sequence numbers and the Structure Table (Parent/Child) remain in sync.

Issue No: 1266 Task Sequence Numbers Missing in Task Packaging Window

The 'Tasks in Servicing' list in the Packaging form now shows Group Sequence / Task Sequence.
Sorting by this column will assist in reviewing the Packaging of a Servicing by allowing the user to view every task in the Servicing in packaged order.

Issue No: 1309 Violation of primary key error

This has been fixed during implementation of Issue 1179 which will be released in v3.1.0.

Issue No: 1334 Include Enhanced WAC Analysis functionality

Functionality has been included to support Enhanced Work Area Analysis.
This new functionality supports examination summary narratives and examination details.
The new functionality has necessitated extra tables being added to the WSDB schema and WSDB import/export functionality has been enhanced to support these new tables.

Issue No: 1335 Include MMI Servicing Functionality

Functionality has been included to support MMI Servicings.
The new functionality has necessitated extra tables being added to the WSDB schema and WSDB import/export functionality has been enhanced to support these new tables.

Issue No: 1336 Task summary report layout

Fixed a minor layout issue on the Task Summary report which sometimes chopped of part of the bottom line on a page.

Issue No: 1406 Failure Mode Criticality defaults to 'E' for SSI RCM Analysis

Modified the RCM Analysis form such that:
1. the Criticality is prepopulated to the current Criticality for the Failure Mode being analysed;
2. starting a new analysis sets the Criticality field to blank; and
3. the Criticality field is editable at the end of a New analysis.

Also, in the LSABlank file, the RCM Logic for the ADORCMV2 method has been modified so that answering 'Yes' to Question 1 results in the Criticality being set to 'S'.

Issue No: 1407 Problem with TMC Library form when 'See LCNs' selected

Modified the TMC Library form so that the list updates correctly after saving changes when in the 'See LCNs' mode.

Issue No: 1408 Problem with orphan VF table records

Fixed bug which sometimes left orphan VF records after modifying a Failure Mode Indicator and deleting a Failure Mode.

Issue No: 1421 Provide functionality to be selective when creating or importing Delta export files

Added the functionality to be able to select the types of differences to export or import when working with Delta export files.

Issue No: 1425 Error deleting a WAC

Amended the WAC Delete code to check for the existence of a related picture folder before attempting to delete related pictures and the folder.
Modified the View WAC Links form (accessible from the WAC Library form) to delete the links if required.

Issue No: 1428 Duplicate Tech Manual Number

If a Tech Manual is specified more than once in the Tech Manual library and that Tech Manual is assigned to a Task, multiple links are created in the CH table - one for each Tech Manual Code linked to the Tech Manual.
The library display has been modified to show the Tech Manual and the Tech Manual Code and only the selected instance will be linked to a task.

Issue No: 1429 Add UOC to Task Details screen

Code modified to display the UOC (or UOCs) linked to the Task LCN/ALC on the Task Edit form.

Issue No: 1432 Provide more information when LCN Renumbering fails

Modified the code for the LCN Renumber process to provide a few more checks and more informative messages if the Renumber cannot proceed to completion.
Also provided an anomaly check to report on LCN/ALCs whose Indenture Level, Sequence Number and Parent/Child relationship do not correlate.
This can help when finding LCN Renumber problems.

Issue No: 1438 Problem with some forms when font size is changed

Modified non-resizeable forms with no control box (the red cross in the top right hand corner), so that they resize correctly in response to the font size being changed by the user.

Issue No: 1439 Problem when creating a new FLCN

Modified the code so that new FLCNs are added to the FLCN tree when returning from the FLCN edit form.

Issue No: 1453 PSS Report-Multi Trade Group Stops Production

PSS Reports have changed such that if any Group has more than one Trade, a report of Groups and Trades is produced. The PSS Report is still produced, but with a watermark stating 'Not for Publication'.

Issue No: 1455 Problem with CIs/Item List report

Modified the CIs/Item List report to print the Reference Number / Cage from the HG table when the LCN is not linked to an ACRN.

Issue No: 1459 PSS REPORTS - OUTPUT FORMAT

PSS Report generation now produces the page numbering format requested by the radio buttons on the ADO Report Parameters form, ie 2 Page Nos / page or 1 Page No / page.
The suggestion re producing a true B6 (or B5) print-ready format has been copied to Issue 1597.

Issue No: 1462 Request for change - Part Number Library, HA Table DED-087 Data validation

Pick List button added for the DIC field on the Edit Reference Number form.
Also an Anomalies Check has been added to validate fields whose values come from pre-defined lists.
Many of these values come from US Provisioning documents and their values may not necessarily be valid for Australia.
However, the 'Invalid Lookup Field Values' anomaly check will go a long way towards helping to locate invalid values.
Often a fix can be achieved using an Adhoc Query.

Issue No: 1522 ee508 Work Cards

'IMIC No' added to the 'Header Format' drop down list. This change will be available in v3.1.

Issue No: 1567 Addition to Packaging Screen

Interval and Facility fields added to the top of the Packaging form to display the selected Servicing's Intervals and Facilities.

Issue No: 1580 Require a function to copy a subtask in the Task Edit screen

Added the ability to copy a subtask when editing a task.

Software Application

Version: 3.0.6 Assortment of updates and bug fixes - Limited release for interim use. Not released on Issue Tracker.

Released: 02-Aug-12

Issue No: 1223 Servicing footer trade info anomaly

Amended the code for the EE508 report so that the correct is shown in the footer for each card.

Issue No: 1230 ADO Reports Page numbering annotation

Amended the ADO Reports form to fix the incorrect labelling of the 2 Page Nos / Page and 1 Page No / Page options.

Issue No: 1233 Problem with View Tables when viewing MB, ME, VD, WC or WY table

Fixed the problem with the View Tables form which was causing an error when trying to view tables MB, ME, VD, WC and WY.

Issue No: 1235 Enhance the Task List form

Modified the Task List form to optionally include Events, Facilities, Pubs, Trade(s), Servicings and to provide a means of exporting the list to a file (similar to View Tables).

Issue No: 1252 Referenced FMEA Summaries do not appear in Report

Fixed the problem with the FMEA Summary report not displaying summaries for Referenced Failure Modes.
Also added an indication beside the Failure Mode Indicator to show if the Failure Mode is a Master or Referencing another Failure Mode, and beside the TaskCode to show if the Task is a Master or Referencing another Task.
Also improved the display on the Main form to show Master and Slave Failure Modes more accurately.

Issue No: 1276 Error when selecting FLCN

Fixed the problem where clicking on an FLCN (other than the root FLCN) caused an error message (or sometimes multiple error messages).

Issue No: 1278 Problem with TMP Part3 with the TMC/PLCN format

Modified the design and behaviour of the TMC and PLCN format Part3 to overcome the spurious problem of multiple essentially blank pages.

Software Application

Version: 3.0.7 Assortment of updates and bug fixes -For testing issues. MAY NOT BE RELEASED (May be released as 3.1.0 with extra functionality.

Released: 08-Aug-12

Issue No: 1261 Request For Change - Unable to add multiple events from the same group to TMP tasks

Modified the Event form to allow selection of multiple events from the same Event Group for TMP tasks.

Issue No: 1270 Error when producing TMP Part4 Sect2 using SQL Server databases

This issue was repeated as Issue 1293 and was fixed under Issue 1293.

Issue No: 1277 Failure Modes tab on Main Form has incorrect FMode colours behaviour

Fixed the Main form display of Failure Modes, so that slave Failure Modes display correctly, both in colour and content.

Issue No: 1287 Annoying loss of settings with each new version

Modified the startup code to detect when a new version of eMRD has been installed to optionally import previous User settings, options and preferences.

Issue No: 1290 Problem with incorrect TaskID when creating slave tasks

Fixed the code to ensure the correct value is inserted into the TaskID field when creating a Slave Task.
Also changed the Task Edit form to allow TaskID to be edited for a Slave Task - only a warning is given.
This is to allow BS to be changed to BS1 for example which is quite legitimate.

Issue No: 1291 ACRN set will not update

Fixed the problem which was preventing new ACRNs from appearing in ACRN lists.
ACRNs with an ATF were appearing but not newly created ACRNs, because they did not have an ATF - and because they weren't appearing in the Edit PLCN ACRN list, an ATF could not be assigned.

Issue No: 1293 TMP Part 4 reports fail for formats which include TMCs

Amended the TMP Part 4 report code to stop errors occurring when printing any formats containing TMCs.
Note: the error was only occurring on SQL Server databases.

Issue No: 1294 Slave Failure Modes do not show correctly in FMEA and RCM reports

Fixed the FMEA and RCM reports so that they correctly show slave (or reference) Failure Mode details.
Also modified the reports to signify if a Failure Mode Indicator is a Master or a Slave (Reference) by appending the FMI with (M) or (R).
Also modified the FMEA report to signify if a Task is a Master or a Slave (Reference) by appending the TaskCode with (M) or (R).

Software Application

Version: 3.0.8 Assortment of updates and bug fixes.

Released: 23-Aug-12

Issue No: 1304 Provide ability to view Nomenclature Extended Memo on Main form

Add a textbox to the Main form LCN details area to view the Nomenclature Extended Memo data.
Only the first 10 lines are shown initially, but double-clicking the textbox or pressing Alt-Z while the cursor is in the textbox will cause the complete Extended Memo to be read and will open the Zoom box for viewing/editing.

Issue No: 1305 Allow insertion of template in all narrative textboxes

The Zoom box used for viewing/editing narative fields has been modified to allow the insertion of a template at the cursor position.
The template can be browsed for and is simply a text file with headings and any other information.
By default the templates are expected to be in the Templates folder associated the database in use.
The Template insertion function is accessed by clicking the 'Template' button in the footer of the Zoom form.
The old Workcard View button has been removed and the text width can be adjusted by clicking on and dragging of the 'sizing' bar on the right edge of the textbox.
Illegal characters can now be tested whilst in the Zoom box too.

Issue No: 1306 Problem when using the ChangeLCNALC function

Modified the Change LCN/ALC code such taht the change is applied only to the selected EIAC.

Issue No: 1311 Highlighting the LCN in the LCN Tree

Modified the FLCN and PLCN trees on the Main screen so that a small red pointer is displayed against the selected LCN.
The pointer remains easily visible when focus is moved to another list or tree on the form.

Issue No: 1312 Do not load the complete task memo (MA Table) on initial opening of the Task Details Screen.

Modified the Task Details screen so that only the first 10 lines of the Process Notes are initially loaded.
Double-clicking in the textbox or pressing Alt-Z while the cursor is in the textbox causes the complete Process Notes to be loaded and opened for viewing/editing in the Zoom box.
This strategy has also been applied to all narrative textboxes in the system/item identification form.

Issue No: 1313 PSS Reports Formatting

The EE508 PSS report was modified to that the sign-up line numbering does not appear for non sign-up subtasks.

Issue No: 1314 Problem when running the Fix Nulls option

Modified the Fix Nulls code to trap errors occurring due to attempting to modify tables for which the user does not have permission.
Also modified the program so that temporary user specific files, which are created when performing various operations, are deleted when closing the database.
Closing a database occurs when opening a database if one is already open and when closing the program.

Software Application

Version: 3.0.9 Assortment of updates and bug fixes.

Released: 28-Aug-12

Issue No: 1282 eMRD FAILS

Modified the code to prevent eMRD from crashing after Editing a PLCN or moving a PLCN.
It seems that an 'Out of Memory' condition was occurring on certain databases and the error message was not being displayed (because it was 'Out of Memory').

Issue No: 1324 FMI field on FMEA and RCM reports is not being populated

Modified the reports to ensure that the FMI field is populated for all types of Failure Modes, ie Master, Slave and stand-alone

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Issue No: 1326 Progress bars on Main screen out of position

Repositioned the progress bars in the status bar of the Main form to their correct positions.

Software Application

Version: 3.0.10 Assortment of updates and bug fixes.

Released: 06-Sep-12

Issue No: 1328 Problem with narrative fields on Task Edit and Sytem/Item Ident forms

Modified the code to ensure that data is not lost from narrative fields when their corresponding textbox on the relevant form contains only the first 10 lines.
Generally speaking, a narrative textbox is only saved when its icon is (i), which indicates that it contains the full narrative.
The user no longer needs to double-click every narrative textbox on a form before Saving (as described in the workaround).

Software Application

Version: 3.0.11 Assortment of updates and bug fixes.

Released: 23-Nov-12

Issue No: 1240 ADO PSS Reports - Formatting

Fixed the design and code for the PSS Workcard reports to correctly align the Contingency (CN) field.

Issue No: 1286 Problem with formatting of Notes in TMP Parts 2 and 3

Amended the note extraction code to prevent blank lines appearing after legitimate notes when the blank lines are not within square brackets.

Issue No: 1419 INAM generation requires a AL number

Fixed the INAM field validation error on the ADO Report Parameters form so that an INAM can be entered without the need to enter an AL.

Issue No: 1427 Need to allow for bitmap and vector Work Area Pictures

Work Area Libray and Work Area Edit forms modified to support bitmap and vector pictures.
Also prevented crashes due to there being non-picture files in the picture folder, eg, 'Thumbs.db'.

Issue No: 1442 EE508 servicing work cards Serial No OFF

Fixed the EE508 Workcard report so that 'Serial No OFF' appears correctly in the footer area.

Issue No: 1445 The anomalies check to verify ALCs with different WACs produces errors

Fixed the Anomalies check which looks for ALCs with different WACs.
It now only looks for Alternates with different WACs (using the ZL table).

Software Application

Version: 3.1.1 Assortment of updates and bug fixes.

Released: 05-Jul-13

Issue No: 1606 Problem when changing an End Item Servicing ServID

Fixed the problem causing loss of links to Servicing Claimed Activities and Servicing Initiating Conditions when a Servicing ID is changed.

Issue No: 1607 Servicing Title

This problem only occurs on the EE508 report format and has arisen since modfying the report to handle M-Servicings as well as End-Item Servicings.
The issue has been fixed.

Issue No: 1608 Task grouping problem on EE508 PSS report

This problem only occurs on the EE508 report format and has arisen since modfying the report to handle M-Servicings as well as End-Item Servicings.
The issue has been fixed.

Issue No: 1611 Error when trying to produce a viper file

Fixed the problem which caused an error when producing a Viper file.

Issue No: 1613 Suggestion for order of Processes on Task Selector form

Modified the display order of TMP Processes on the Task Selector form so that the MServ IDs appear appear after the TMP Processes.

Issue No: 1614 Missing information on the Task List form

The Task List form code was fixed to also display links to MServicings when the Servicings Links option is selected.

Issue No: 1615 Need an O/P to Excel option on the View Tables form

Added an O/P to Excel option on the View Tables form.
This option produces a .XLS file which can be opened by Excel by simply double-clicking it.
NOTE: Excel will display a message to the effect that the file is not a proper XLS file, however it will still open it correctly.

Issue No: 1616 Problem when deleting a Servicing link from the Task Edit form

Fixed the Task Edit form code to handle deletion of servicing links correctly, regardless of whether the task is linked (and grouped) to the same servicing more than once.

Issue No: 1617 MServ Groups not showing on Main form in Task tree

Fixed the Main form code to display any M Servicing groups in the Task tree.

Software Application

Version: 3.2.0 Conversion to VS2012 and assortment of updates and bug fixes.

Released: 23-Jan-14

Issue No: 1420 LCN Favourites Option

Implemented an LCN History List form.
When an LCN (Functional or Physical) is selected on the Main form, that LCN is added to the History List.
The History List can be 'popped up' while in the Main form by pressing Ctrl-H.
An LCN can be selected from the History List and navigated to by clicking the GoTo button.
The History List can be maintained using the Delete and Clear buttons on the History List form.
The History List is only applicable to the current database/EIAC, so if a different EIAC is selected or a different database is opened, the list is cleared.

Issue No: 1622 Copy Group

Fixed the Copy and Paste Group problem in the Packaging form which was resulting in some tasks not being copied.

Issue No: 1624 WN Table related Orphans

Modified the legacy M Servicing conversion process to delete WP, WQ and WR records for any M Servicings that are converted.
Initiating Conditions and Claimed Activities for the legacy M Servicings are not converted and will remain as orphans in RE and RF respectively.
It is left up to the user to ensure that each TMP task which now represents an instance of a legacy M Servicing has its Initiating Conditions and Claimed Activities correctly populated.
The orphan RE and RF records (and WP, WQ and WR records) can easily be removed from the View Tables screen.
The TMP Part 2 format is as per the example in AAP7001.038.

Issue No: 1625 Servicing Summary Chart

Fixed the Servicing Summary Chart problem where the packaged and unpackaged task counts are determined.
The problem with the display of the Servicing IDs depends on the number of servicings. The solution is to use the zoom buttons to make each Servicing bar wide enough for the Servicing ID to be displayed.

Issue No: 1635 Addition to Anomolies Function

See write up for Issue 1701.

Issue No: 1637 Servicing Group Sequence Number

See write up for Issue 1701.

Issue No: 1638 eMRD Export - M Servicings

Added more informative Tool Tips to the check boxes to better describe what they are for.
Note: Tool Tips are viewed by hovering the mouse pointer over a control.
The Help file will be updated at a later time.

Issue No: 1650 TMP notes not being extracted correctly in some instances

Modified the TMP Note extraction code to make it comply with the spec in regard to multiple bracket sets in a single line and bracketed blank lines.

Issue No: 1652 Problem creating new Trade combinations

Fixed the Trade Builder form to correctly handle Primary/Secondary Trade combos where 3 character Trades are involved.
Fixed the Skills Library form to allow correct adding and deleting of Trades.

Issue No: 1653 Problem displaying Trades on the View Tasks form

Fixed the View Task List form to correctly display Trades for LSA tasks in a 5692 compatible database.

Issue No: 1654 Enhancements to View Task List form

The View Task List form has been modified to show related Failure Modes (also see Issue 1655).
The View Task List form has also been modified to provide an Excel compatible XML output (similar to the format available on the View Tables form).

Issue No: 1655 Remove outdated superfluous reports

Removed the PSS Overview report and Unlinked Tasks (tasks not linked to a Failure Mode) report from the Main form Reports menu.
Both of these reports had become out dated due to other changes within eMRD over time.
The Tasks List form has been enhanced to optionally display Failure Mode links as well and with appropriate filtering selections a better, more readable output can be achieved than the obsolete reports provided.

Issue No: 1662 Problem with page numbering option when printing PSS Extended format

Fixed the problem with radio buttons for PSS Extended Format reports.

Issue No: 1688 Incorrect picklist codes on Edit Part Number form

The error is actually in tblLookUps - SMM and MCC have the wrong key values.
Modified eMRD's start code to fix the code keys in tblLookUps dynamically.
Also removed the picklist button and validations from the Cognizance Code field on the Edit Part Number form because the code list would seem to very outdated.

Issue No: 1701 Extra Anomalies checks and removal of Servicing Anomalies Report

Removed the Servicing Anomalies Report and transferred its checks to a new Servicing Validations group on the Anomalies checking form.
Added checks for duplicate tasks in a Group, duplicate tasks in a Servicing and for Servicings with Groups with duplicate Sequence Numbers.
Add the following checks to the Miscellaneous anomalies group:
1. non-numeric values in fields defined as numeric;
2. a check for unbalance left and right brackets in TMP note fields;
3. illegal characters (Space, Asterisk, Vertical Bar, Single Quote, Comma, Back Quote, Double Quotes) in Part Numbers (CAMM2 doesn't like these characters).
4. a check in WSDB tables for records with blank keys.

Improved the anomaly check which looks for missing TMP task details to report blank Trades better.

Also added an option on the Tools | Fix Database form to delete records with blank keys in WSDB tables (to fix anything found in anomaly check 4 above).

Issue No: 1702 Enhance Adhoc Query editing to allow importing SQLs from another file

Added functionality to enable Adhoc Query SQLs to be imported into existing Adhoc Query files from another file.

Issue No: 1703 Some improvements to the SQL Server browsing form

Modified the SQL Server / Database browsing form with the following changes:
1. the 'Add to List' button has been moved to just under the textbox where a specific Server name is entered and is only required to add that specific server name to the server/database tree;
2. the 'Browse for servers' radio button now browses as soon as the button is selected;
3. flashing prompts advise the user that they need to select a server from the list or a database from the list;
4. when a new database is to be created and a server is selected, the existing databases on the selected server are displayed allowing the user to:
   a. select an existing database (which will be overwritten); or
   b. enter a new database name in the textbox.

Issue No: 1704 Need to implement table level Business Rules checks

Implemented a method of checking all the relevant table level Business Rules as defined in DI(AF)5692.
Most of these tests are stored as SQL statements in a new 'ControlData' database, but some required more complex code.
For many of these tests, there is one or more possible fixes which can be applied across the whole WSDB and are also stored as SQL statements in the 'ControlData' database.
Many other errors cannot and should not be fixed across the whole database and will necessitate the user making changes through the normal editing screens.
Access to this new functionality is via a new tab on the View Tables form (this was chosen because of the similarities in viewing tables, running Adhoc Queries and the new Business Rules tests).
Results are presented in the View Tables grid and can be exported in the various formats that the form provides.
The tests are broken up hierarchically by table and can be run in the follwong ways:
1. all test for all tables;
2. all tests for a group of tables, eg all the A tables;
3. all test for a particular table, eg HA; or
4. a particular test for a particular table.
If option 4 is chosen, the errors (if any) are listed in the View Tables grid and a Fix error button is enabled.
Clicking the Fix button will show a list of pre-defined fixes (if there are any).
Selecting a pre-defined fix places the corresponding SQL for the Fix into the Adhoc Query window, where it can be modified or run as is.
If test options 1, 2 or 3 are chosen, all the necessary tests are run and any tests which find errors show up as red in the tree of tests.
The red ones can then be run individually to present the grid of errors and gain access to the Fix button.
Between these tests and the Anomaly Validations and Orphan checks, users should be able to catch (and fix) virtually all of the defined errors in their databases.

Notes:

1. The ControlData database exists as an MSAccess database in the eMRD installation folder;
2. Some other control and reference tables that used to live in the LSABlank database have been moved to the ControlData database, eg the Lookups table which feeds the allowable values Picklist form (this has been done in an effort to minimise the number of times that the structure of the LSABlank database changes); and
3. Because of the importance of the data in the ControlData database, it SHOULD NOT be messed with.

Issue No: 1709 Problem when validating licence key in non Australian region

Modified the code for the licence expiry date validation check to make it independent of region .

Issue No: 1723 Addition of Int/Events field to task editing screen

Added Servicing Int/Event to the Servicing Links list on the Task Edit screen.
Also added Servicing Int/Event to the popup list of Servicings when adding a Servicing link on the Task Edit screen.

Issue No: 1724 Unable to delete end item SNoUOCs (Version 3.1.1)

Any related records should also be deleted from tables HN and WJ.

Issue No: 1725 Addition of nomenclature filter to View Tasks tool

Added a Nomeclature Filter option to the View Tasks form.
This allows finding of tasks by filtering on words in the Nomenclature field.

Issue No: 1736 Incorrect heading on EE508 report

Fixed the heading of the Discrepancies column of the EE508 PSS report to bring it into line with AAP7001.038(AM1) AL3.

Issue No: 1737 Modify the Master/Slave Tasks Claimed Activities and Init Conds check

The anomaly checks for Initiating Conditions and Claimed Activities on Master/Slave task combinations have been changed.
The checks are now done separately.
The Initiating Conditions check compares the numbers and types of Initiating Conditions between Master tasks and their Slaves and reports on differences.
The Claimed Activities check compares the numbers of Claimed Activities between Master tasks and their Slaves.

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Issue No: 1743 Provide ability to add/edit Provisioning Reference and ATDNSN

Added the ability to add/edit the Provisioning Reference (used to be the LOAS Entry Number in table VA) and Authority to Demand NSN.
The new fields are accessible on the EditLCNReferenceNo form, which in turn is accessible from the EditPLCN form.

Issue No: 1750 Process Notes Not appearing in ADO TMP Report

After investigation it was found that LCNs AFH/00 and AFI/00 have TMP Processes of BF (representing Before Use).
The BF Process is causing an error in eMRD which stops it extracting the Process Notes.
Suggest you change the BF to BU for those 2 LCNs because BU is supported in eMRD.
LES will fix the software to detect invalid Process codes.

Issue No: 1751 Problem when doing a delta export

Fixed the problem with delta exports in which Element Deletions were being produced as Change ('C') lines instead of 'X' lines.

Issue No: 1755 Expandable Sub-task window

Add a horizontal splitter bar to the Task Edit form to allow the Subtask area to be expanded to almost the full height of the form.
The splitter can be dragged to increase the size of the Subtask area or it can be double-clicked to toggle between the normal sized area and maximum area.

Issue No: 1760 Misleading message when creating new Failre Mode

Modified the process of creating a new Failure Mode such that instead of giving the message when a BA record doesn't exist, the process will just create a key fields-only BA record when the new Failure Mode is created.